

# Prem Gunnasegaran

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/8057015/prem-gunnasegaran-publications-by-citations.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Numerical simulation of heat transfer enhancement in wavy microchannel heat sink. <i>International Communications in Heat and Mass Transfer</i> , <b>2011</b> , 38, 63-68	5.8	189
22	The effect of geometrical parameters on heat transfer characteristics of microchannels heat sink with different shapes. <i>International Communications in Heat and Mass Transfer</i> , <b>2010</b> , 37, 1078-1086	5.8	167
21	Influence of channel shape on the thermal and hydraulic performance of microchannel heat sink. <i>International Communications in Heat and Mass Transfer</i> , <b>2011</b> , 38, 474-480	5.8	113
20	Heat transfer in rectangular microchannels heat sink using nanofluids. <i>International Communications in Heat and Mass Transfer</i> , <b>2010</b> , 37, 1496-1503	5.8	97
19	The impact of various nanofluid types on triangular microchannels heat sink cooling performance. <i>International Communications in Heat and Mass Transfer</i> , <b>2011</b> , 38, 767-773	5.8	72
18	Influence of various base nanofluids and substrate materials on heat transfer in trapezoidal microchannel heat sinks. <i>International Communications in Heat and Mass Transfer</i> , <b>2011</b> , 38, 194-201	5.8	60
17	Numerical and experimental investigations of hybrid nanofluids on pulsating heat pipe performance. <i>International Journal of Heat and Mass Transfer</i> , <b>2020</b> , 146, 118887	4.9	39
16	Influence of nanofluid on heat transfer in a loop heat pipe. <i>International Communications in Heat and Mass Transfer</i> , <b>2013</b> , 47, 82-91	5.8	33
15	Thermophysical properties of Al <sub>2</sub> O <sub>3</sub> -CuO hybrid nanofluid at different nanoparticle mixture ratio: An experimental approach. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 313, 113458	6	20
14	Influence of the oblique fin arrangement on the fluid flow and thermal performance of liquid cold plate. <i>Case Studies in Thermal Engineering</i> , <b>2018</b> , 12, 717-727	5.6	20
13	Optimization of SiO <sub>2</sub> nanoparticle mass concentration and heat input on a loop heat pipe. <i>Case Studies in Thermal Engineering</i> , <b>2015</b> , 6, 238-250	5.6	15
12	Heat Transfer in a Loop Heat Pipe using Diamond-H <sub>2</sub> O Nanofluid. <i>Heat Transfer Engineering</i> , <b>2018</b> , 39, 1117-1131	1.7	9
11	Recent Advances on Thermally Conductive Adhesive in Electronic Packaging: A Review. <i>Polymers</i> , <b>2021</b> , 13,	4.5	6
10	Influence of low concentration of diamond water nanofluid in loop heat pipe. <i>International Journal of Heat and Technology</i> , <b>2017</b> , 35, 539-548	2.2	5
9	A new method of acquiring prerequisites of recirculation and vortex flow in sudden expansion solar water collector using vortex generator to augment heat transfer. <i>International Journal of Thermal Sciences</i> , <b>2020</b> , 153, 106346	4.1	3
8	A new method of enhancing heat transfer in sudden expansion channel using vortex generators with toe-out and toe-in configurations by acquiring prerequisites of recirculation and secondary vortex flow. <i>Journal of Mechanical Science and Technology</i> , <b>2019</b> , 33, 3913-3925	1.6	3
7	Heat transfer enhancement with nanofluids: A review of recent applications and experiments. <i>International Journal of Heat and Technology</i> , <b>2018</b> , 36, 1350-1361	2.2	3

6	Heat Transfer in a Loop Heat Pipe Using Fe <sub>2</sub> NiO <sub>4</sub> -H <sub>2</sub> O Nanofluid. <i>MATEC Web of Conferences</i> , <b>2017</b> , 109, 05001	0.3	2
5	Influence of Various Nanofluid Types on Wavy Microchannels Heat Sink Cooling Performance. <i>Applied Mechanics and Materials</i> , <b>2013</b> , 420, 118-122	0.3	2
4	Experimental Analysis and FEM Simulation of Novel Finned Loop Heat Pipe. <i>Advanced Materials Research</i> , <b>2014</b> , 925, 481-485	0.5	1
3	Intelligent monitoring system of unburned carbon of fly ash for coal fired power plant boiler. <i>MATEC Web of Conferences</i> , <b>2017</b> , 131, 02003	0.3	0
2	Preliminary study to determine the maximum settling velocity and model parameter of Cu nanoparticle by settling method. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 785, 012026	0.4	
1	Development and implementation of Intelligent Soot Blowing Optimization System for TNB Janamanjung. <i>MATEC Web of Conferences</i> , <b>2017</b> , 131, 01006	0.3	