

Songkran Wiriyasart

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.

26

papers

460

citations

12

h-index

21

g-index

29

ext. papers

585

ext. citations

4

avg, IF

4.89

L-index

#	Paper	IF	Citations
26	Liquid cooling in the mini-rectangular fin heat sink with and without thermoelectric for CPU. <i>International Communications in Heat and Mass Transfer</i> , 2009 , 36, 166-171	5.8	82
25	Pulsating flow and magnetic field effects on the convective heat transfer of TiO ₂ -water nanofluids in helically corrugated tube. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 125, 1054-1060	4.9	54
24	Experimental study on laminar pulsating flow and heat transfer of nanofluids in micro-fins tube with magnetic fields. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 118, 297-303	4.9	47
23	Effect of jet-plate spacing to jet diameter ratios on nanofluids heat transfer in a mini-channel heat sink. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 116, 352-361	4.9	39
22	Pulsating TiO ₂ /water nanofluids flow and heat transfer in the spirally coiled tubes with different magnetic field directions. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 115, 537-543	4.9	34
21	Liquid impingement cooling of cold plate heat sink with different fin configurations: High heat flux applications. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 140, 281-292	4.9	26
20	Thermal cooling enhancement of dual processors computer with thermoelectric air cooler module. <i>Case Studies in Thermal Engineering</i> , 2019 , 14, 100445	5.6	26
19	On the thermal cooling of central processing unit of the PCs with vapor chamber. <i>International Communications in Heat and Mass Transfer</i> , 2012 , 39, 1165-1168	5.8	26
18	Fill ratio effects on vapor chamber thermal resistance with different configuration structures. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 127, 164-171	4.9	19
17	Heat spreading of liquid jet impingement cooling of cold plate heat sink with different fin shapes. <i>Case Studies in Thermal Engineering</i> , 2020 , 20, 100638	5.6	16
16	Study on the vapor chamber with refrigerant R-141b as working fluid for HDD cooling. <i>International Communications in Heat and Mass Transfer</i> , 2012 , 39, 1449-1452	5.8	14
15	Numerical study on air ventilation in the workshop room with multiple heat sources. <i>Case Studies in Thermal Engineering</i> , 2019 , 13, 100405	5.6	13
14	Thermal performance enhancement of vapor chamber by coating mini-channel heat sink with porous sintering media. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 126, 116-122	4.9	12
13	Effect of sintering columns on the heat transfer and flow characteristics of the liquid cooling vapor chambers. <i>Heat and Mass Transfer</i> , 2016 , 52, 1807-1820	2.2	10
12	Thermal management system with different configuration liquid vapor chambers for high power electronic devices. <i>Case Studies in Thermal Engineering</i> , 2020 , 18, 100590	5.6	8
11	Effect of heat source area on the thermal resistance of the wick columns vapor chambers. <i>Journal of Mechanical Science and Technology</i> , 2016 , 30, 933-942	1.6	6
10	On the Thermal Performance of the Vapor Chamber with Micro-channel for Unmixed Air Flow Cooling. <i>Engineering Journal</i> , 2015 , 19, 125-137	1.8	6

9	Experimental and numerical study on thermoelectric liquid cooling module performance with different heat sink configurations. <i>Heat and Mass Transfer</i> , 2019 , 55, 2445-2454	2.2	5
8	Thermal to electrical closed-loop thermoelectric generator with compact heat sink modules. <i>International Journal of Heat and Mass Transfer</i> , 2021 , 164, 120562	4.9	5
7	Thermal, mechanical, and electrical properties of rubber latex with TiO ₂ nanoparticles. <i>Composites Communications</i> , 2020 , 22, 100449	6.7	3
6	Thermal cooling characteristics of Li-ion battery pack with thermoelectric ferrofluid cooling module. <i>International Journal of Energy Research</i> , 2021 , 45, 8824-8836	4.5	3
5	Thermal efficiency enhancement of thermoelectric module system for cold-hot water dispenser; Phase II. <i>Case Studies in Thermal Engineering</i> , 2019 , 15, 100520	5.6	2
4	Development of cold-hot water dispenser with thermoelectric module systems. <i>Heat Transfer - Asian Research</i> , 2019 , 48, 854-863	2.8	2
3	Investigation on performance analysis of a small solar electric generator. <i>Case Studies in Thermal Engineering</i> , 2021 , 27, 101224	5.6	0
2	Heat Transfer and Flow Behaviors of Ferrofluid in Three-Start Helically Fluted Tubes. <i>Heat Transfer Engineering</i> , 1-14	1.7	0
1	Transient thermal performance of constant fill ratio vapor chamber with different coolants. <i>Journal of Thermal Science and Technology</i> , 2021 , 16, JTST0028-JTST0028	0.6	