

Songkran Wiriyasart

List of Publications by Year in descending order

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papers

705
citations

566801

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29
all docs

29
docs citations

29
times ranked

478
citing authors

#	ARTICLE	IF	CITATIONS
1	Liquid cooling in the mini-rectangular fin heat sink with and without thermoelectric for CPU. International Communications in Heat and Mass Transfer, 2009, 36, 166-171.	2.9	109
2	Pulsating flow and magnetic field effects on the convective heat transfer of TiO ₂ -water nanofluids in helically corrugated tube. International Journal of Heat and Mass Transfer, 2018, 125, 1054-1060.	2.5	65
3	Experimental study on laminar pulsating flow and heat transfer of nanofluids in micro-fins tube with magnetic fields. International Journal of Heat and Mass Transfer, 2018, 118, 297-303.	2.5	62
4	Effect of jet-plate spacing to jet diameter ratios on nanofluids heat transfer in a mini-channel heat sink. International Journal of Heat and Mass Transfer, 2018, 116, 352-361.	2.5	49
5	Thermal cooling enhancement of dual processors computer with thermoelectric air cooler module. Case Studies in Thermal Engineering, 2019, 14, 100445.	2.8	43
6	Pulsating TiO ₂ /water nanofluids flow and heat transfer in the spirally coiled tubes with different magnetic field directions. International Journal of Heat and Mass Transfer, 2017, 115, 537-543.	2.5	42
7	Liquid impingement cooling of cold plate heat sink with different fin configurations: High heat flux applications. International Journal of Heat and Mass Transfer, 2019, 140, 281-292.	2.5	42
8	Fill ratio effects on vapor chamber thermal resistance with different configuration structures. International Journal of Heat and Mass Transfer, 2018, 127, 164-171.	2.5	38
9	On the thermal cooling of central processing unit of the PCs with vapor chamber. International Communications in Heat and Mass Transfer, 2012, 39, 1165-1168.	2.9	32
10	Heat spreading of liquid jet impingement cooling of cold plate heat sink with different fin shapes. Case Studies in Thermal Engineering, 2020, 20, 100638.	2.8	31
11	Thermal cooling characteristics of Li-ion battery pack with thermoelectric ferrofluid cooling module. International Journal of Energy Research, 2021, 45, 8824-8836.	2.2	22
12	Study on the vapor chamber with refrigerant R-141b as working fluid for HDD cooling. International Communications in Heat and Mass Transfer, 2012, 39, 1449-1452.	2.9	19
13	Thermal performance enhancement of vapor chamber by coating mini-channel heat sink with porous sintering media. International Journal of Heat and Mass Transfer, 2018, 126, 116-122.	2.5	19
14	Thermal management system with different configuration liquid vapor chambers for high power electronic devices. Case Studies in Thermal Engineering, 2020, 18, 100590.	2.8	18
15	Thermal to electrical closed-loop thermoelectric generator with compact heat sink modules. International Journal of Heat and Mass Transfer, 2021, 164, 120562.	2.5	18
16	Numerical study on air ventilation in the workshop room with multiple heat sources. Case Studies in Thermal Engineering, 2019, 13, 100405.	2.8	16
17	Effect of sintering columns on the heat transfer and flow characteristics of the liquid cooling vapor chambers. Heat and Mass Transfer, 2016, 52, 1807-1820.	1.2	13
18	Experimental investigation of the thermal management system of a battery pack using a thermoelectric air-cooling module. Heat Transfer, 2022, 51, 6384-6402.	1.7	11

#	ARTICLE	IF	CITATIONS
19	Effect of heat source area on the thermal resistance of the wick columns vapor chambers. Journal of Mechanical Science and Technology, 2016, 30, 933-942.	0.7	10
20	Experimental and numerical study on thermoelectric liquid cooling module performance with different heat sink configurations. Heat and Mass Transfer, 2019, 55, 2445-2454.	1.2	10
21	On the Thermal Performance of the Vapor Chamber with Micro-channel for Unmixed Air Flow Cooling. Engineering Journal, 2015, 19, 125-137.	0.5	9
22	Thermal, mechanical, and electrical properties of rubber latex with TiO ₂ nanoparticles. Composites Communications, 2020, 22, 100449.	3.3	7
23	Thermal efficiency enhancement of thermoelectric module system for cold-hot water dispenser; Phase II. Case Studies in Thermal Engineering, 2019, 15, 100520.	2.8	6
24	Development of cold-hot water dispenser with thermoelectric module systems. Heat Transfer - Asian Research, 2019, 48, 854-863.	2.8	5
25	Investigation on performance analysis of a small solar electric generator. Case Studies in Thermal Engineering, 2021, 27, 101224.	2.8	3
26	Transient thermal performance of constant fill ratio vapor chamber with different coolants. Journal of Thermal Science and Technology, 2021, 16, JTST0028-JTST0028.	0.6	2
27	Heat Transfer and Flow Behaviors of Ferrofluid in Three-Start Helically Fluted Tubes. Heat Transfer Engineering, 2022, 43, 1769-1782.	1.2	2
28	CONFINED IMPINGING LIQUID JET CHARACTERISTICS OF VAPOR CHAMBER EMBEDDED WITH HEAT SINKS. Heat Transfer Research, 2018, 49, 929-948.	0.9	1
29	STUDY ON THERMAL PERFORMANCE OF COLD PLATE UNIT WITH MICRO-CHANNEL FOR SUPERCOMPUTER COOLING. JP Journal of Heat and Mass Transfer, 2018, 15, 77-92.	0.1	1