

# Kuo-Hsiang Chien

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10601233/publications.pdf>

Version: 2024-02-01

14  
papers

511  
citations

840776

11  
h-index

1058476

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

280  
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel design of pulsating heat pipe with fewer turns applicable to all orientations. International Journal of Heat and Mass Transfer, 2012, 55, 5722-5728.	4.8	130
2	Investigation of the performance of pulsating heat pipe subject to uniform/alternating tube diameters. Experimental Thermal and Fluid Science, 2014, 54, 85-92.	2.7	79
3	Numerical simulation of a heat sink embedded with a vapor chamber and calculation of effective thermal conductivity of a vapor chamber. Applied Thermal Engineering, 2009, 29, 2655-2664.	6.0	63
4	An experimental investigation of air cooling thermal module using various enhancements at low Reynolds number region. International Journal of Heat and Mass Transfer, 2010, 53, 5675-5681.	4.8	42
5	A simplified transient three-dimensional model for estimating the thermal performance of the vapor chambers. Applied Thermal Engineering, 2006, 26, 2087-2094.	6.0	30
6	Investigations of the Thermal Spreading Effects of Rectangular Conduction Plates and Vapor Chamber. Journal of Electronic Packaging, Transactions of the ASME, 2007, 129, 348-355.	1.8	30
7	On the heat transfer characteristics of heat sinks: Influence of fin spacing at low Reynolds number region. International Journal of Heat and Mass Transfer, 2007, 50, 2667-2674.	4.8	30
8	On the Heat Transfer Characteristics of Heat Sinks: With and Without Vortex Generators. IEEE Transactions on Components and Packaging Technologies, 2010, 33, 391-397.	1.3	27
9	A novel double pipe pulsating heat pipe design to tackle inverted heat source arrangement. Applied Thermal Engineering, 2016, 106, 697-701.	6.0	25
10	An Experimental Investigation of Micro Pulsating Heat Pipes. Micromachines, 2014, 5, 385-395.	2.9	22
11	Theoretical study of oscillatory phenomena in a horizontal closed-loop pulsating heat pipe with asymmetrical arrayed minichannel. International Communications in Heat and Mass Transfer, 2012, 39, 923-930.	5.6	16
12	Heat Transfer Characteristics in High Power LED Packaging. Smart Science, 2014, 2, 1-6.	3.2	10
13	Heat transfer of vapor chamber with different types of microchannels. International Journal of Green Energy, 2016, 13, 1325-1333.	3.8	6
14	Multicolor Emission from Ultraviolet GaN-Based Photonic Quasicrystal Nanopyramid Structure with Semipolar InxGa1-xN/GaN Multiple Quantum Wells. Nanoscale Research Letters, 2021, 16, 145.	5.7	1