Sun-min Kim

List of Publications by Year
in descending order

14 papers	176 citations	1307594 7 h-index	1199594 12 g-index
14 all docs	14 docs citations	14 times ranked	135 citing authors

#	Article	IF	Citations
1	Multi-Objective Optimization of a Row of Film Cooling Holes Using an Evolutionary Algorithm and Surrogate Modeling. Numerical Heat Transfer; Part A: Applications, 2013, 63, 623-641.	2.1	43
2	Performance analysis and design optimization of micro-jet impingement heat sink. Heat and Mass Transfer, 2013, 49, 1613-1624.	2.1	35
3	A comparative analysis of various shaped film-cooling holes. Heat and Mass Transfer, 2012, 48, 1929-1939.	2.1	24
4	Thermal Performance Analysis and Optimization of Microjet Cooling of High-Power Light-Emitting Diodes. Journal of Thermophysics and Heat Transfer, 2013, 27, 235-245.	1.6	17
5	Optimization of a staggered jet-convex dimple array cooling system. International Journal of Thermal Sciences, 2016, 99, 161-169.	4.9	14
6	Evaluation of cooling performance of impinging jet array over various dimpled surfaces. Heat and Mass Transfer, 2016, 52, 845-854.	2.1	13
7	Multi-Objective Optimization of an Inverse Trapezoidal-Shaped Microchannel. Heat Transfer Engineering, 2016, 37, 571-580.	1.9	11
8	Comparative Study of Shell and Helically-Coiled Tube Heat Exchangers with Various Dimple Arrangements in Condensers for Odor Control in a Pyrolysis System. Energies, 2016, 9, 1027.	3.1	8
9	Microcooling system with impinging jets and a stalactite structure. Numerical Heat Transfer; Part A: Applications, 2016, 69, 1376-1389.	2.1	4
10	Optimization of a Hybrid Double-Side Jet Impingement Cooling System for High-Power Light Emitting Diodes. Journal of Electronic Packaging, Transactions of the ASME, 2014, 136, .	1.8	3
11	Fabrication of passive micromixer using a digital micromirror device-based maskless lithography system. International Journal of Precision Engineering and Manufacturing, 2014, 15, 1417-1422.	2.2	3
12	Performance Evaluation of Various Liquid-Jet Cooling Systems. Numerical Heat Transfer; Part A: Applications, 2014, 65, 987-1006.	2.1	1
13	MICROPATTERNED POLYMER STRUCTURES FOR CELL AND TISSUE ENGINEERING. , 2010, , 101-120.		0
14	Parametric study on thermal performance of a hybrid double-side micro-jet cooling system. , 2014, , .		0