

Nicholas R Jankowski

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1748153/publications.pdf>

Version: 2024-02-01

28
papers

704
citations

1040056

9
h-index

1372567

10
g-index

28
all docs

28
docs citations

28
times ranked

697
citing authors

#	ARTICLE	IF	CITATIONS
1	Kapitza Resistance at the Two-Dimensional Electron Gas Interface. , 2019, , .		6
2	Experimental evaluation of metallic phase change materials for thermal transient mitigation. International Journal of Heat and Mass Transfer, 2018, 116, 512-519.	4.8	52
3	Thermodynamic cycle optimization for pyroelectric energy conversion in the thin film regime. International Journal of Energy Research, 2017, 41, 1880-1890.	4.5	14
4	Voiding Effects on the Thermal Response of Metallic Phase Change Materials Under Pulsed Power Loading. , 2017, , .		4
5	Thermal Model of a Thin Film Pulsed Pyroelectric Generator. , 2016, , .		2
6	Numerical Evaluation of Multiple Phase Change Materials for Pulsed Electronics Applications. , 2016, , .		6
7	Wireless Power Transmission via Modulated Laser Irradiation of Pyroelectric Thin Films. Advanced Materials Technologies, 2016, 1, 1600178.	5.8	15
8	Measurement of High-Performance Thermal Interfaces Using a Reduced Scale Steady-State Tester and Infrared Microscopy. Journal of Heat Transfer, 2016, 138, .	2.1	14
9	Nonintrusive Optical Validation of Two-Phase Flow Regimes in a Small-Diameter Tube. Heat Transfer Engineering, 2016, 37, 972-984.	1.9	3
10	Two-Phase Thermal Ground Planes: Technology Development and Parametric Results. Journal of Electronic Packaging, Transactions of the ASME, 2015, 137, .	1.8	59
11	Non-Intrusive Optical Validation of Two-Phase Flow Regimes in a Small Diameter Tube. , 2014, , .		2
12	A review of phase change materials for vehicle component thermal buffering. Applied Energy, 2014, 113, 1525-1561.	10.1	343
13	Modified Model for Improved Flow Regime Prediction in Internally-Grooved Tubes. , 2013, , .		2
14	Analysis and Characterization of Thermal Expansion-Matched Wick-Based Multi-Chip Passive Heat Spreaders in Static and Dynamic Environments. , 2013, , .		2
15	Interfacial Resistance Measurement of High Performance Thermal Interface Materials. , 2013, , .		1
16	Thermal performance of a flat polymer heat pipe heat spreader under high acceleration. Journal of Micromechanics and Microengineering, 2012, 22, 045018.	2.6	53
17	GaN HEMT Junction Temperature Dependence on Diamond Substrate Anisotropy and Thermal Boundary Resistance. , 2012, , .		7
18	Numerical investigation and sensitivity analysis of manifold microchannel coolers. International Journal of Heat and Mass Transfer, 2012, 55, 7698-7708.	4.8	57

#	ARTICLE	IF	CITATIONS
19	Two-Phase Minichannel Cold Plate for Army Vehicle Power Electronics. , 2011, , .		4
20	The Impact of GaN/Substrate Thermal Boundary Resistance on a HEMT Device. , 2011, , .		11
21	Experimental Investigation of a Flat-Plate Oscillating Heat Pipe During High-Gravity Loading. , 2011, , .		5
22	Numerical Study on the Thermal Performance of a Substrate Integrated Thermal Buffer Heat Sink. , 2011, , .		1
23	Electrical Supercooling Mitigation in Erythritol. , 2010, , .		11
24	Thermal performance of a Direct-Bond-Copper Aluminum Nitride manifold-microchannel cooler. , 2010, , .		5
25	Design and Fabrication of a Substrate Integrated Phase Change Thermal Buffer Heat Sink. , 2009, , .		1
26	A Micromachined Manifold Microchannel Cooler. , 2009, , .		5
27	Stereolithographically fabricated aluminum nitride microchannel substrates for integrated power electronics cooling. Intersociety Conference on Thermal and Thermomechanical Phenomena in Electronic Systems, 2008, , .	0.0	9
28	Comparing Microchannel Technologies to Minimize the Thermal Stack and Improve Thermal Performance in Hybrid Electric Vehicles. , 2007, , .		10