List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	A benchmark study on the thermal conductivity of nanofluids. Journal of Applied Physics, 2009, 106, .	2.5	897
2	An experimental study on the effect of ultrasonication on viscosity and heat transfer performance of multi-wall carbon nanotube-based aqueous nanofluids. International Journal of Heat and Mass Transfer, 2009, 52, 5090-5101.	4.8	440
3	Dropwise Condensation on Micro- and Nanostructured Surfaces. Nanoscale and Microscale Thermophysical Engineering, 2014, 18, 223-250.	2.6	235
4	Thermal performance of microencapsulated phase change material slurry in turbulent flow under constant heat flux. International Journal of Heat and Mass Transfer, 2007, 50, 1938-1952.	4.8	158
5	Thermal performance of a novel heat transfer fluid containing multiwalled carbon nanotubes and microencapsulated phase change materials. International Journal of Heat and Mass Transfer, 2011, 54, 5554-5567.	4.8	72
6	Characterization of supercooling suppression of microencapsulated phase change material by using DSC. Journal of Thermal Analysis and Calorimetry, 2006, 86, 505-509.	3.6	70
7	Field evaluation of microencapsulated phase change material slurry in ground source heat pump systems. Energy, 2017, 122, 691-700.	8.8	69
8	Performance characteristics of microencapsulated phase change material slurry in a helically coiled tube. International Journal of Heat and Mass Transfer, 2016, 101, 901-914.	4.8	63
9	Passive cooling systems for cement-based roofs. Building and Environment, 2009, 44, 1869-1875.	6.9	62
10	Numerical Simulations and Experimental Characterization of Heat Transfer From a Periodic Impingement of Droplets. Journal of Heat Transfer, 2011, 133, .	2.1	48
11	Wetting behavior on hybrid surfaces with hydrophobic and hydrophilic properties. Applied Surface Science, 2014, 290, 59-65.	6.1	48
12	Enhanced thermophysical properties of multiwalled carbon nanotubes based nanofluids. Part 1: Critical review. Renewable and Sustainable Energy Reviews, 2018, 82, 4326-4336.	16.4	48
13	Study of the effects of single and multiple periodic droplet impingements on liquid film heat transfer. International Journal of Heat and Mass Transfer, 2014, 77, 449-463.	4.8	47
14	Development of hybrid solar distillation system for essential oil extraction. Renewable Energy, 2017, 113, 22-29.	8.9	45
15	Latent thermal energy storage system using phase change material in corrugated enclosures. Applied Thermal Engineering, 2013, 50, 1008-1014.	6.0	44
16	Thermophysical performance of graphene based aqueous nanofluids. International Journal of Heat and Mass Transfer, 2018, 119, 408-417.	4.8	42
17	Droplet contact angle behavior on a hybrid surface with hydrophobic and hydrophilic properties. Applied Physics Letters, 2012, 101, 111605.	3.3	40
18	Heat transfer characteristics of double, triple and hexagonally-arranged droplet train impingement arrays. International Journal of Heat and Mass Transfer, 2017, 110, 562-575.	4.8	37

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19	Heat transfer analysis of microencapsulated phase change material slurry flow in heated helical coils: A numerical and analytical study. International Journal of Heat and Mass Transfer, 2018, 118, 872-878.	4.8	32
20	Numerical and experimental investigations of crown propagation dynamics induced by droplet train impingement. International Journal of Heat and Fluid Flow, 2016, 57, 24-33.	2.4	31
21	Passive cooling of cement-based roofs in tropical climates. Energy and Buildings, 2008, 40, 358-364.	6.7	30
22	Emission characteristics of methanol-in-canola oil emulsions in a combustion chamber. Fuel, 2013, 113, 97-106.	6.4	29
23	Laminar Flow Forced Convection Heat Transfer Behavior of a Phase Change Material Fluid in Finned Tubes. Numerical Heat Transfer; Part A: Applications, 2009, 55, 721-738.	2.1	25
24	Recent Progress on the Spectroscopy of Rare Earth Ions in Core–Shells, Nanowires, Nanotubes, and Other Novel Nanostructures. Journal of Nanoscience and Nanotechnology, 2008, 8, 1126-1137.	0.9	22
25	Laminar Flow Forced Convection Heat Transfer Behavior of a Phase Change Material Fluid in Microchannels. Journal of Heat Transfer, 2013, 135, .	2.1	19
26	Effects of High Frequency Droplet Train Impingement on Crown Propagation Dynamics and Heat Transfer. Journal of Heat Transfer, 2016, 138, .	2.1	19
27	Fluid Flow and Heat Transfer Characteristics of Microencapsulated Phase Change Material Slurry in Turbulent Flow. Journal of Heat Transfer, 2014, 136, .	2.1	17
28	Thermal performance of helical coils with reversed loops and wire coil inserts. International Journal of Heat and Mass Transfer, 2020, 146, 118723.	4.8	17
29	Thermal Performance of Microencapsulated Phase Change Material Slurry in a Coil Heat Exchanger. Journal of Heat Transfer, 2015, 137, .	2.1	15
30	Thermal and flow characteristics of helical coils with reversed loops. International Journal of Heat and Mass Transfer, 2018, 126, 670-680.	4.8	14
31	Implication of coughing dynamics on safe social distancing in an indoor environment—A numerical perspective. Building and Environment, 2021, 206, 108280.	6.9	13
32	EFFECTS OF SINGLE AND DOUBLE STREAMS OF DROPLET IMPINGEMENTS ON SURFACE COOLING. Atomization and Sprays, 2014, 24, 875-893.	0.8	12
33	Experimental study on effect of surface vibration on micro textured surfaces with hydrophobic and hydrophilic materials. Applied Surface Science, 2017, 412, 45-51.	6.1	11
34	Effects of High Frequency Droplet Train Impingement on Spreading-Splashing Transition, Film Hydrodynamics and Heat Transfer. Journal of Heat Transfer, 2016, 138, .	2.1	10
35	Enhanced thermophysical properties of multiwalled carbon nanotubes based nanofluids. Part 2: Experimental verification. Renewable and Sustainable Energy Reviews, 2018, 82, 4337-4344.	16.4	10
36	Hydrodynamic and heat transfer characteristics of droplet train spreading-splashing transition on heated surface. International Journal of Heat and Mass Transfer, 2021, 164, 120500.	4.8	10

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37	Experimental Characterization of Single and Multiple Droplet Impingement on Surfaces Subject to Constant Heat Flux Conditions. , 2010, , .		9
38	Multiple Droplet Impingements on Nanostructured Surfaces for Enhanced Spray Cooling. , 2011, , .		9
39	Symbiotic Circularity in Buildings: An Alternative Path for Valorizing Sheet Metal Waste Stream as Metal Building Facades. Waste and Biomass Valorization, 2020, 11, 7127-7145.	3.4	8
40	Experimental and Numerical Visualization of Droplet-Induced Crown Splashing Dynamics. Journal of Heat Transfer, 2017, 139, .	2.1	6
41	Report on Carbon Nano Material Workshop: Challenges and Opportunities. Nanoscale and Microscale Thermophysical Engineering, 2013, 17, 10-24.	2.6	5
42	Laminar Flow Forced Convection Heat Transfer Behavior of a Phase Change Material Fluid in Microchannels. , 2009, , .		4
43	Development and characterization of a capacitance-based microscale flowmeter. Flow Measurement and Instrumentation, 2009, 20, 81-84.	2.0	4
44	Effects of Screen Laminates on Droplet-Induced Film Hydrodynamics and Surface Heat Transfer. Journal of Heat Transfer, 2016, 138, .	2.1	4
45	Near-Wall Velocimetry in the Impingement-Zones of a Microdroplet and a Round Jet Stream. Journal of Fluids Engineering, Transactions of the ASME, 2021, 143, .	1.5	4
46	Numerical Simulation of Thermal Performance of a High Aspect Ratio Thermal Energy Storage Device. , 2012, , .		2
47	Numerical Simulation of a Microencapsulated Phase Change Material Slurry Flowing in a Helical Coil Heat Exchanger. , 2013, , .		2
48	Thermal Performance of Microchannels with Patterned Super-Hydrophobic Surfaces Under Laminar Flow. Numerical Heat Transfer; Part A: Applications, 2015, 67, 1163-1186.	2.1	2
49	Experimental and Numerical Characterization of Droplet-Induced Spreading-Splashing Transition in Surface Cooling. , 2016, , .		2
50	Laminar Heat Transfer Behavior of a Phase Change Material Fluid in Microchannels With Staggered Pins. Journal of Heat Transfer, 2017, 139, .	2.1	2
51	Real Power Control: MPPT and Pitch Control in a DFIG Based Wind Turbine. , 2020, , .		2
52	Use of Perforation and Mathematical Modeling to Increase Solar-Based Steam Distillation System Efficiency. Journal of Solar Energy Engineering, Transactions of the ASME, 2021, 143, .	1.8	2
53	Film dynamics relevant to spray cooling. , 2010, , .		2
54	Thermal performance of microencapsulated phase change material slurry in helical coils with reversed loops and wire coil inserts. Experimental Heat Transfer, 2023, 36, 984-1011.	3.2	2

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55	COST, QUALITY, AND ENVIRONMENTAL TRADEOFFS FOR PRINTED CIRCUIT BOARD ASSEMBLY. Engineering Economist, 2000, 45, 206-231.	1.1	1
56	Characterization of Thermal Properties and Heat Transfer Behavior of Microencapsulated Phase Change Material Slurry and Multiwall Carbon Nanotubes in Aqueous Suspension. , 2007, , 1771.		1
57	Laminar Flow Forced Convection Heat Transfer Behavior of Phase Change Material Fluid in Microchannels With Staggered Pins. , 2010, , .		0
58	Experimental Investigation of Microexplosion Phenomena in Emulsified Vegetable Oil-Methanol Blends. , 2012, , .		0
59	Characterization and Combustion Performance of Corn Oil-Based Biofuel Blends. , 2012, , .		0
60	Thermal Performance of Poly Alpha Olefin Nanofluid With Spherical and Non-Spherical Nanoparticles. , 2012, , .		0
61	An Experimental Study of Heat Transfer Characteristics of Microencapsulated Phase Change Material Slurry in a Coil Heat Exchanger. , 2013, , .		0
62	Use of Differential Scanning Calorimetry and X-Ray Diffraction as Experimental Tools to Understand How Nucleating Agent Concentration Affects Supercooling in Microencapsulated Phase Change Materials. , 2005, , .		0
63	Characterization of the Flow and Surface Temperature Around Multiple Vortex Generators. Journal of Fluids Engineering, Transactions of the ASME, 2022, 144, .	1.5	Ο