Thierry MarÃ©

List of Publications by Year
in descending order

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Version: 2024-02-01

30 papers	1,715 citations	430874 18 h-index	454955 30 g-index
30 all docs	30 docs citations	30 times ranked	1490 citing authors

#	Article	IF	Citations
1	Heat transfer enhancement in turbulent tube flow using Al2O3nanoparticle suspension. International Journal of Numerical Methods for Heat and Fluid Flow, 2006, 16, 275-292.	2.8	252
2	Viscosity of carbon nanotubes water-based nanofluids: Influence of concentration and temperature. International Journal of Thermal Sciences, 2013, 71, 111-117.	4.9	235
3	Efficiency of carbon nanotubes water based nanofluids as coolants. Experimental Thermal and Fluid Science, 2014, 53, 104-110.	2.7	189
4	Experimental investigations of the viscosity of nanofluids at low temperatures. Applied Energy, 2012, 97, 876-880.	10.1	174
5	Comparison of the thermal performances of two nanofluids at low temperature in a plate heat exchanger. Experimental Thermal and Fluid Science, 2011, 35, 1535-1543.	2.7	162
6	Optimization of thermal performances and pressure drop of rectangular microchannel heat sink using aqueous carbon nanotubes based nanofluid. Applied Thermal Engineering, 2014, 62, 492-499.	6.0	114
7	Thermal conductivity of CNT water based nanofluids: Experimental trends and models overview. Journal of Thermal Engineering, 2015, 1, 381.	1.6	76
8	A review on the coupling of cooling, desalination and solar photovoltaic systems. Renewable and Sustainable Energy Reviews, 2015, 47, 703-717.	16.4	64
9	Natural convection of CNT water-based nanofluids in a differentially heated square cavity. Journal of Thermal Analysis and Calorimetry, 2017, 128, 1765-1770.	3.6	61
10	Heat transfer properties of aqueous carbon nanotubes nanofluids in coaxial heat exchanger under laminar regime. Experimental Thermal and Fluid Science, 2014, 55, 174-180.	2.7	52
11	Thermophysical properties and heat transfer performance of carbon nanotubes water-based nanofluids. Journal of Thermal Analysis and Calorimetry, 2017, 127, 2075-2081.	3.6	45
12	Shear History Effect on the Viscosity of Carbon Nanotubes Water-based Nanofluid. Current Nanoscience, 2013, 9, 225-230.	1.2	40
13	Unexpected sharp peak in thermal conductivity of carbon nanotubes water-based nanofluids. International Communications in Heat and Mass Transfer, 2015, 66, 80-83.	5.6	30
14	Few-Layer Graphene-Based Nanofluids with Enhanced Thermal Conductivity. Nanomaterials, 2020, 10, 1258.	4.1	29
15	Surface tension of functionalized MWCNT-based nanofluids in water and commercial propylene-glycol mixture. Journal of Molecular Liquids, 2019, 293, 111473.	4.9	28
16	Thermal and hydrodynamic performance of a microchannel heat sink with carbon nanotube nanofluids. Journal of Thermal Analysis and Calorimetry, 2019, 138, 937-945.	3.6	23
17	Design study of the coupling of an air gap membrane distillation unit to an air conditioner. Desalination, 2017, 420, 308-317.	8.2	19
18	Shear flow behavior and dynamic viscosity of few-layer graphene nanofluids based on propylene glycol-water mixture. Journal of Molecular Liquids, 2020, 316, 113875.	4.9	19

#	Article	IF	Citations
19	Experimental analysis of mixed convection in inclined tubes. Applied Thermal Engineering, 2006, 26, 1677-1683.	6.0	18
20	Simulation of heat pumps for simultaneous heating and cooling using CO2. International Journal of Refrigeration, 2019, 106, 616-627.	3.4	18
21	Experimental and numerical study of mixed convection with flow reversal in coaxial double-duct heat exchangers. Experimental Thermal and Fluid Science, 2008, 32, 1096-1104.	2.7	15
22	Experimental Study of the Freezing Point of Î³-Al₂O₃/Water Nanofluid. Advances in Mechanical Engineering, 2012, 4, 162961.	1.6	12
23	Mixed convection with flow reversal in the entrance region of inclined tubes. International Journal of Numerical Methods for Heat and Fluid Flow, 2005, 15, 740-756.	2.8	11
24	Numerical and experimental visualization of reverse flow in an inclined isothermal tube. Experimental Thermal and Fluid Science, 2005, 30, 9-15.	2.7	9
25	Experimental Study of a Heat Pump for Simultaneous Cooling and Desalination by Membrane Distillation. Membranes, 2021, 11, 725.	3.0	6
26	Dynamic Viscosity of Purified Multi-Walled Carbon Nanotubes Water and Water-Propylene Glycol-Based Nanofluids. Heat Transfer Engineering, 2021, 42, 1663-1674.	1.9	5
27	Volumetric Properties and Surface Tension of Few-Layer Graphene Nanofluids Based on a Commercial Heat Transfer Fluid. Energies, 2020, 13, 3462.	3.1	4
28	Experimental Investigation of Rheological Behavior and Pressure Drop of Aqueous Suspensions of Carbon Nanotubes in a Horizontal Tube. Procedia Engineering, 2013, 56, 344-349.	1.2	3
29	THERMAL AND HYDRODYNAMIC PERFORMANCE OF A MICROCHANNEL HEAT SINK COOLED WITH CARBON NANOTUBES NANOFLUID. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	1
30	CONSIDERATION OF CARBON NANOTUBE-BASED NANOFLUID IN THERMAL TRANSFER.. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	1