Tun-Ping Teng

List of Publications by Year
in descending order

35 papers	959 citations	516710 16 h-index	434195 31 g-index
35 all docs	35 docs citations	35 times ranked	998 citing authors

#	Article	IF	Citations
1	Characteristics of phase-change materials containing oxide nano-additives for thermal storage. Nanoscale Research Letters, 2012, 7, 611.	5.7	137
2	Estimation and experimental study of the density and specific heat for alumina nanofluid. Journal of Experimental Nanoscience, 2014, 9, 707-718.	2.4	108
3	Enhanced heat dissipation of a radiator using oxide nano-coolant. International Journal of Thermal Sciences, 2014, 77, 252-261.	4.9	98
4	Performance assessment of heat storage by phase change materials containing MWCNTs and graphite. Applied Thermal Engineering, 2013, 50, 637-644.	6.0	82
5	Heat dissipation performance of MWCNTs nano-coolant for vehicle. Experimental Thermal and Fluid Science, 2013, 49, 22-30.	2.7	78
6	Thermal conductivity and phase-change properties of aqueous alumina nanofluid. Energy Conversion and Management, 2013, 67, 369-375.	9.2	49
7	Assessment of heat dissipation performance for nanofluid. Applied Thermal Engineering, 2012, 32, 132-140.	6.0	47
8	Characteristics of carbon-based nanofluids and their application in a brazed plate heat exchanger under laminar flow. Applied Thermal Engineering, 2019, 146, 160-168.	6.0	41
9	Performance of overall heat transfer in multi-channel heat exchanger by alumina nanofluid. Journal of Alloys and Compounds, 2010, 504, S385-S388.	5.5	37
10	Performance evaluation of an air-cooled heat exchange system for hybrid nanofluids. Experimental Thermal and Fluid Science, 2017, 81, 43-55.	2.7	34
11	Preparation and characterization of carbon nanofluid by a plasma arc nanoparticles synthesis system. Nanoscale Research Letters, 2011, 6, 293.	5.7	33
12	Evaluating Stability of Aqueous Multiwalled Carbon Nanotube Nanofluids by Using Different Stabilizers. Journal of Nanomaterials, 2014, 2014, 1-15.	2.7	31
13	Performance evaluation on an air-cooled heat exchanger for alumina nanofluid under laminar flow. Nanoscale Research Letters, 2011, 6, 488.	5.7	23
14	Preparation and Characterization of Carbon Nanofluids by Using a Revised Water-Assisted Synthesis Method. Journal of Nanomaterials, 2013, 2013, 1-12.	2.7	23
15	Feasibility Assessment of Thermal Management System for Green Power Sources Using Nanofluid. Journal of Nanomaterials, 2013, 2013, 1-11.	2.7	19
16	Performance assessment of an air-cooled heat exchanger for multiwalled carbon nanotubes-water nanofluids. Applied Thermal Engineering, 2015, 89, 346-355.	6.0	19
17	Study on the Phase Change Characteristics of Carbon-Based Nanofluids. Journal of Nanomaterials, 2018, 2018, 1-12.	2.7	16
18	High-yield production of graphene flakes using a novel electrochemical/mechanical hybrid exfoliation. International Journal of Advanced Manufacturing Technology, 2019, 104, 2751-2760.	3.0	14

#	Article	IF	Citations
19	Fabrication and Characterization of Nanocarbon-Based Nanofluids by Using an Oxygenâ€“Acetylene Flame Synthesis System. Nanoscale Research Letters, 2016, 11, 288.	5.7	13
20	Performance Assessment and Scooter Verification of Nano-Alumina Engine Oil. Applied Sciences (Switzerland), 2016, 6, 258.	2.5	8
21	Performance evaluation on vacuum pumps using nanolubricants. Journal of Mechanical Science and Technology, 2016, 30, 4275-4283.	1.5	6
22	Fabrication and Characterization of Carbon-Based Nanofluids through the Water Vortex Trap Method. Journal of Nanomaterials, 2018, 2018, 1-13.	2.7	6
23	Evaluation of heat-exchange performance of carbon-based nanofluids for air-cooled exchangers with different cross-section shapes. Applied Thermal Engineering, 2020, 179, 115725.	6.0	6
24	Preparation and Experimental Evaluation of Phase-Change Characteristics in Carbon-Based Suspensions. Materials, 2018, 11, 1315.	2.9	5
25	Performance Assessment of an R-134A Domestic Dehumidifier Retrofitted with a Hydrocarbon Mixture. International Journal of Green Energy, 2010, 7, 485-497.	3.8	4
26	Enhanced Heat Transfer Performance of the Tube Heat Exchangers Using Carbon-Based Nanofluids. Applied Sciences (Switzerland), 2021, 11, 8139.	2.5	4
27	Evaluation of Surfactants on Graphene Dispersion and Thermal Performance for Heat Dissipation Coating. Polymers, 2022, 14, 952.	4.5	4
28	Enhanced Heat Dissipation Performance of Automotive LED Lamps Using Graphene Coatings. Polymers, 2022, 14, 50.	4.5	4
29	Improving the efficiency and recognizability of the spectroscopy method for measuring nanofluid stability. Measurement: Journal of the International Measurement Confederation, 2019, 145, 204-213.	5.0	3
30	Simulating Catalyst Filter Airflow and Formaldehyde Photocatalysis in the Duct. HVAC and R Research, 2010, 16, 497-512.	0.6	2
31	Degradation of Gaseous Formaldehyde by Visible Light-Responsive Titania Photocatalyst Filter. International Journal of Photoenergy, 2012, 2012, 1-10.	2.5	2
32	Development of a performance booster for the evaporator of window-type air conditioners. Journal of Mechanical Science and Technology, 2018, 32, 3955-3964.	1.5	2
33	Development of a performance enhancer for a dehumidifier. Journal of Mechanical Science and Technology, 2020, 34, 1775-1784.	1.5	1
34	Novel electricity-saving concept using a radio technique for indoor lighting. International Journal of Green Energy, 2016, 13, 983-989.	3.8	0
35	Influence of Far Infrared TiO2 and Multi-Walled Carbon Nanotubes Coatings on the Performance of a Hot Water Heater. Applied Sciences (Switzerland), 2021, 11, 7043.	2.5	0