

Tun-Ping Teng

List of Publications by Year in descending order

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35
papers

959
citations

516710

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434195

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35
docs citations

35
times ranked

998
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of Surfactants on Graphene Dispersion and Thermal Performance for Heat Dissipation Coating. <i>Polymers</i> , 2022, 14, 952.	4.5	4
2	Enhanced Heat Dissipation Performance of Automotive LED Lamps Using Graphene Coatings. <i>Polymers</i> , 2022, 14, 50.	4.5	4
3	Influence of Far Infrared TiO ₂ and Multi-Walled Carbon Nanotubes Coatings on the Performance of a Hot Water Heater. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7043.	2.5	0
4	Enhanced Heat Transfer Performance of the Tube Heat Exchangers Using Carbon-Based Nanofluids. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8139.	2.5	4
5	Evaluation of heat-exchange performance of carbon-based nanofluids for air-cooled exchangers with different cross-section shapes. <i>Applied Thermal Engineering</i> , 2020, 179, 115725.	6.0	6
6	Development of a performance enhancer for a dehumidifier. <i>Journal of Mechanical Science and Technology</i> , 2020, 34, 1775-1784.	1.5	1
7	High-yield production of graphene flakes using a novel electrochemical/mechanical hybrid exfoliation. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 104, 2751-2760.	3.0	14
8	Improving the efficiency and recognizability of the spectroscopy method for measuring nanofluid stability. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 145, 204-213.	5.0	3
9	Characteristics of carbon-based nanofluids and their application in a brazed plate heat exchanger under laminar flow. <i>Applied Thermal Engineering</i> , 2019, 146, 160-168.	6.0	41
10	Preparation and Experimental Evaluation of Phase-Change Characteristics in Carbon-Based Suspensions. <i>Materials</i> , 2018, 11, 1315.	2.9	5
11	Fabrication and Characterization of Carbon-Based Nanofluids through the Water Vortex Trap Method. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-13.	2.7	6
12	Study on the Phase Change Characteristics of Carbon-Based Nanofluids. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-12.	2.7	16
13	Development of a performance booster for the evaporator of window-type air conditioners. <i>Journal of Mechanical Science and Technology</i> , 2018, 32, 3955-3964.	1.5	2
14	Performance evaluation of an air-cooled heat exchange system for hybrid nanofluids. <i>Experimental Thermal and Fluid Science</i> , 2017, 81, 43-55.	2.7	34
15	Performance Assessment and Scooter Verification of Nano-Alumina Engine Oil. <i>Applied Sciences (Switzerland)</i> , 2016, 6, 258.	2.5	8
16	Performance evaluation on vacuum pumps using nanolubricants. <i>Journal of Mechanical Science and Technology</i> , 2016, 30, 4275-4283.	1.5	6
17	Fabrication and Characterization of Nanocarbon-Based Nanofluids by Using an Oxygen-Acetylene Flame Synthesis System. <i>Nanoscale Research Letters</i> , 2016, 11, 288.	5.7	13
18	Novel electricity-saving concept using a radio technique for indoor lighting. <i>International Journal of Green Energy</i> , 2016, 13, 983-989.	3.8	0

#	ARTICLE	IF	CITATIONS
19	Performance assessment of an air-cooled heat exchanger for multiwalled carbon nanotubes-water nanofluids. <i>Applied Thermal Engineering</i> , 2015, 89, 346-355.	6.0	19
20	Evaluating Stability of Aqueous Multiwalled Carbon Nanotube Nanofluids by Using Different Stabilizers. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-15.	2.7	31
21	Estimation and experimental study of the density and specific heat for alumina nanofluid. <i>Journal of Experimental Nanoscience</i> , 2014, 9, 707-718.	2.4	108
22	Enhanced heat dissipation of a radiator using oxide nano-coolant. <i>International Journal of Thermal Sciences</i> , 2014, 77, 252-261.	4.9	98
23	Thermal conductivity and phase-change properties of aqueous alumina nanofluid. <i>Energy Conversion and Management</i> , 2013, 67, 369-375.	9.2	49
24	Heat dissipation performance of MWCNTs nano-coolant for vehicle. <i>Experimental Thermal and Fluid Science</i> , 2013, 49, 22-30.	2.7	78
25	Performance assessment of heat storage by phase change materials containing MWCNTs and graphite. <i>Applied Thermal Engineering</i> , 2013, 50, 637-644.	6.0	82
26	Feasibility Assessment of Thermal Management System for Green Power Sources Using Nanofluid. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-11.	2.7	19
27	Preparation and Characterization of Carbon Nanofluids by Using a Revised Water-Assisted Synthesis Method. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-12.	2.7	23
28	Degradation of Gaseous Formaldehyde by Visible Light-Responsive Titania Photocatalyst Filter. <i>International Journal of Photoenergy</i> , 2012, 2012, 1-10.	2.5	2
29	Characteristics of phase-change materials containing oxide nano-additives for thermal storage. <i>Nanoscale Research Letters</i> , 2012, 7, 611.	5.7	137
30	Assessment of heat dissipation performance for nanofluid. <i>Applied Thermal Engineering</i> , 2012, 32, 132-140.	6.0	47
31	Performance evaluation on an air-cooled heat exchanger for alumina nanofluid under laminar flow. <i>Nanoscale Research Letters</i> , 2011, 6, 488.	5.7	23
32	Preparation and characterization of carbon nanofluid by a plasma arc nanoparticles synthesis system. <i>Nanoscale Research Letters</i> , 2011, 6, 293.	5.7	33
33	Simulating Catalyst Filter Airflow and Formaldehyde Photocatalysis in the Duct. <i>HVAC and R Research</i> , 2010, 16, 497-512.	0.6	2
34	Performance Assessment of an R-134A Domestic Dehumidifier Retrofitted with a Hydrocarbon Mixture. <i>International Journal of Green Energy</i> , 2010, 7, 485-497.	3.8	4
35	Performance of overall heat transfer in multi-channel heat exchanger by alumina nanofluid. <i>Journal of Alloys and Compounds</i> , 2010, 504, S385-S388.	5.5	37