

Alpaslan Turgut

List of Publications by Year in descending order

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46
papers

1,445
citations

331259

21
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414034

32
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all docs

46
docs citations

46
times ranked

1682
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal Conductivity and Viscosity Measurements of Water-Based TiO ₂ Nanofluids. <i>International Journal of Thermophysics</i> , 2009, 30, 1213-1226.	1.0	290
2	Effect of particle size on the viscosity of nanofluids: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 1664-1674.	8.2	178
3	Thermal performance of a nanofluid-based flat plate solar collector: A transient numerical study. <i>Applied Thermal Engineering</i> , 2018, 130, 395-407.	3.0	86
4	Experimental investigation on effect of ultrasonication duration on colloidal dispersion and thermophysical properties of alumina-water nanofluid. <i>International Journal of Heat and Mass Transfer</i> , 2015, 88, 73-81.	2.5	84
5	Effect of aspect ratio on thermal conductivity of high density polyethylene/multi-walled carbon nanotubes nanocomposites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 82, 208-213.	3.8	79
6	Electrical and mechanical properties of expanded graphite/high density polyethylene nanocomposites. <i>Composites Part B: Engineering</i> , 2013, 53, 226-233.	5.9	64
7	Thermal properties of myristic acid/graphite nanoplates composite phase change materials. <i>Renewable Energy</i> , 2015, 75, 243-248.	4.3	56
8	Measurement of Thermal Conductivity of Edible Oils Using Transient Hot Wire Method. <i>International Journal of Food Properties</i> , 2009, 12, 741-747.	1.3	53
9	The contact angle of nanofluids as thermophysical property. <i>Journal of Colloid and Interface Science</i> , 2019, 547, 393-406.	5.0	44
10	Effect of external magnetic field on thermal conductivity and viscosity of magnetic nanofluids: a review. <i>Materials Research Express</i> , 2019, 6, 112003.	0.8	43
11	Graphite nanoplates loading into eutectic mixture of Adipic acid and Sebacic acid as phase change material. <i>Solar Energy Materials and Solar Cells</i> , 2015, 140, 457-463.	3.0	40
12	Thermal characteristics and performance of Ag-water nanofluid: Application to natural circulation loops. <i>Energy Conversion and Management</i> , 2017, 135, 9-20.	4.4	38
13	Size effects of graphene nanoplatelets on the properties of high-density polyethylene nanocomposites: morphological, thermal, electrical, and mechanical characterization. <i>Beilstein Journal of Nanotechnology</i> , 2020, 11, 167-179.	1.5	35
14	Experimental study and Taguchi Analysis on alumina-water nanofluid viscosity. <i>Applied Thermal Engineering</i> , 2018, 128, 973-981.	3.0	32
15	Magnetic field dependent thermal conductivity measurements of magnetic nanofluids by 3 ω method. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 474, 199-206.	1.0	31
16	Preparation and photothermal characterization of nanocomposites based on high density polyethylene filled with expanded and unexpanded graphite: Particle size and shape effects. <i>International Journal of Thermal Sciences</i> , 2012, 62, 50-55.	2.6	29
17	Enhanced effectiveness of nanofluid based natural circulation mini loop. <i>Applied Thermal Engineering</i> , 2015, 75, 669-676.	3.0	29
18	AC hot wire measurement of thermophysical properties of nanofluids with 3 ω method. <i>European Physical Journal: Special Topics</i> , 2008, 153, 349-352.	1.2	28

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19	Nanofluid figure-of-merits to assess thermal efficiency of a flat plate solar collector. Energy Conversion and Management, 2020, 204, 112292.	4.4	28
20	Experimental Study on Thermal Conductivity and Viscosity of Water-Based Nanofluids. Heat Transfer Research, 2010, 41, 339-351.	0.9	24
21	An Investigation on Thermal Conductivity and Viscosity of Water Based Nanofluids. NATO Science for Peace and Security Series A: Chemistry and Biology, 2010, , 139-162.	0.5	22
22	Development and evaluation of graphite nanoplate (GNP)-based phase change material for energy storage applications. International Journal of Energy Research, 2015, 39, 696-708.	2.2	19
23	A rotating permanent magnetic actuator for micropumping devices with magnetic nanofluids. Journal of Micromechanics and Microengineering, 2020, 30, 075012.	1.5	19
24	Nanofluids for electronics cooling. , 2014, , .		16
25	Photothermal Characterization of Nanocomposites Based on High Density Polyethylene (HDPE) Filled with Expanded Graphite. International Journal of Thermophysics, 2012, 33, 2110-2117.	1.0	13
26	Thermal-Diffusivity Measurements of Conductive Composites Based on EVA Copolymer Filled With Expanded and Unexpanded Graphite. International Journal of Thermophysics, 2013, 34, 2297-2306.	1.0	10
27	Re-dispersion ability of multi wall carbon nanotubes within low viscous mineral oil. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 538, 219-228.	2.3	8
28	Morphological, electrical, mechanical and thermal properties of high-density polyethylene/multiwall carbon nanotube nanocomposites: effect of aspect ratio. Materials Research Express, 2019, 6, 095079.	0.8	8
29	THE EFFECTS OF TEMPERATURE AND MUSCLE COMPOSITION ON THE THERMAL CONDUCTIVITY OF FROZEN MEATS. Journal of Food Processing and Preservation, 2010, 34, 425-438.	0.9	6
30	Thermal analysis and experimental validation on cooling efficiency of thin film transistor liquid crystal display (TFT-LCD) panels. , 2011, , .		6
31	Thermal analysis of thin film transistor liquid crystal display (TFT-LCD) TV panels with single sided LED bars. , 2012, , .		5
32	Polymer matrix composites reinforced with expanded and unexpanded graphite Particles for electronic packaging applications. , 2013, , .		4
33	Stability, rheology, and thermophysical properties of surfactant free aqueous single-walled carbon nanotubes and graphene nanoplatelets nanofluids: a comparative study. Journal of Dispersion Science and Technology, 2023, 44, 299-308.	1.3	4
34	Photothermal spectroscopy of polymer nanocomposites. , 2016, , 312-361.		3
35	Investigation of Thermal Properties of High-Density Polyethylene/Aluminum Nanocomposites by Photothermal Infrared Radiometry. International Journal of Thermophysics, 2017, 38, 1.	1.0	3
36	PREPARATION AND CHARACTERIZATION OF NANOFUIDS CONTAINING ALUMINA PARTICLES. , 2011, , .		3

#	ARTICLE	IF	CITATIONS
37	A study on cooling efficiency improvement of thin film transistor Liquid Crystal Display (TFT-LCD) modules. , 2011, , .		2
38	Size effect of hybrid carbon nanofillers on the synergetic enhancement of the properties of HDPE-based nanocomposites. Nanotechnology, 2021, 32, 315704.	1.3	2
39	Ferrofluid Plug Actuation for Micro Pumping Systems. Key Engineering Materials, 2017, 750, 168-172.	0.4	1
40	Assessment of modulated hot wire method for thermophysical characterization of fluid and solid matrices charged with (nano)particle inclusions. Journal of Physics: Conference Series, 2010, 214, 012135.	0.3	0
41	Monitoring and Determination of Wind Energy Potential by Web Based Wireless Network. , 2012, , .		0
42	Three omega probe with auto-zeroing. , 2016, , .		0
43	Evaluating the Thermal Conductivity and Viscosity of CuO-Nanolubricants. Key Engineering Materials, 2017, 750, 159-163.	0.4	0
44	Magnetic Field Distributions inside Magnetically Driven Nanofluids for Thermal Management of CPUs. E3S Web of Conferences, 2020, 162, 03005.	0.2	0
45	PREPARATION AND PHOTOTHERMAL CHARACTERIZATION OF NANOCOMPOSITES BASED ON HIGH DENSITY POLYETHYLENE FILLED WITH EXPANDED GRAPHITE: PARTICLE SIZE AND SHAPE EFFECTS. , 2011, , .		0
46	3D Helmholtz Coil System Design for Measuring the Thermal Conductivity of Magnetic Nanofluids. , 2021, , .		0