

Minea Alina Adriana

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

78

papers

1,598

citations

22

h-index

38

g-index

81

ext. papers

1,961

ext. citations

3.8

avg, IF

6.28

L-index

#	Paper	IF	Citations
78	Hybrid nanofluids based on Al ₂ O ₃ , TiO ₂ and SiO ₂ : Numerical evaluation of different approaches. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 104, 852-860	4.9	139
77	Influence of hybrid nanofluids on the performance of parabolic trough collectors in solar thermal systems: Recent findings and numerical comparison. <i>Renewable Energy</i> , 2018 , 120, 350-364	8.1	97
76	Analysis and forecasting of nonresidential electricity consumption in Romania. <i>Applied Energy</i> , 2010 , 87, 3584-3590	10.7	97
75	A review on development of ionic liquid based nanofluids and their heat transfer behavior. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 91, 584-599	16.2	95
74	Experimental study on thermal conductivity of stabilized Al ₂ O ₃ and SiO ₂ nanofluids and their hybrid. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 127, 450-457	4.9	85
73	Properties of glycerol and ethylene glycol mixture based SiO ₂ -CuO/C hybrid nanofluid for enhanced solar energy transport. <i>Solar Energy Materials and Solar Cells</i> , 2018 , 179, 118-128	6.4	72
72	Investigations on electrical conductivity of stabilized water based Al ₂ O ₃ nanofluids. <i>Microfluidics and Nanofluidics</i> , 2012 , 13, 977-985	2.8	67
71	Viscosity estimation of Al ₂ O ₃ , SiO ₂ nanofluids and their hybrid: An experimental study. <i>Journal of Molecular Liquids</i> , 2018 , 253, 188-196	6	59
70	Challenges in hybrid nanofluids behavior in turbulent flow: Recent research and numerical comparison. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 71, 426-434	16.2	58
69	A Review on Electrical Conductivity of Nanoparticle-Enhanced Fluids. <i>Nanomaterials</i> , 2019 , 9,	5.4	47
68	Experimental study on viscosity of stabilized Al ₂ O ₃ , TiO ₂ nanofluids and their hybrid. <i>Thermochimica Acta</i> , 2018 , 659, 203-212	2.9	45
67	Uncertainties in modeling thermal conductivity of laminar forced convection heat transfer with water alumina nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2014 , 68, 78-84	4.9	43
66	Rheology and thermal conductivity of non-porous silica (SiO ₂) in viscous glycerol and ethylene glycol based nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2017 , 88, 245-253	5.8	42
65	Al ₂ O ₃ /TiO ₂ hybrid nanofluids thermal conductivity. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 137, 583-592	4.1	41
64	NanoRound: A benchmark study on the numerical approach in nanofluids' simulation. <i>International Communications in Heat and Mass Transfer</i> , 2019 , 108, 104292	5.8	40
63	Natural convection heat transfer utilizing ionic nanofluids with temperature-dependent thermophysical properties. <i>Chemical Engineering Science</i> , 2017 , 174, 13-24	4.4	35
62	Specific heat experimental tests of simple and hybrid oxide-water nanofluids: Proposing new correlation. <i>Journal of Molecular Liquids</i> , 2019 , 279, 299-305	6	34

61	Experimental study on thermophysical properties of alumina nanoparticle enhanced ionic liquids. <i>Journal of Molecular Liquids</i> , 2019 , 291, 111332	6	34
60	A numerical study on ZnO based nanofluids behavior on natural convection. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 114, 286-296	4.9	30
59	Numerical study on CNT nanofluids behavior in laminar pipe flow. <i>Journal of Molecular Liquids</i> , 2018 , 271, 281-289	6	30
58	A numerical approach in describing ionanofluids behavior in laminar and turbulent flow. <i>Continuum Mechanics and Thermodynamics</i> , 2018 , 30, 657-666	3.5	25
57	Overview of Hybrid Nanofluids Development and Benefits. <i>Journal of Engineering Thermophysics</i> , 2018 , 27, 507-514	1.4	23
56	Effect of microtube length on heat transfer enhancement of an water/Al ₂ O ₃ nanofluid at high Reynolds numbers. <i>International Journal of Heat and Mass Transfer</i> , 2013 , 62, 22-30	4.9	20
55	Overview of Ionic Liquids as Candidates for New Heat Transfer Fluids. <i>International Journal of Thermophysics</i> , 2020 , 41, 1	2.1	20
54	Studies on Al ₂ O ₃ , CuO, and TiO ₂ water-based nanofluids: A comparative approach in laminar and turbulent flow. <i>Journal of Engineering Thermophysics</i> , 2017 , 26, 291-301	1.4	19
53	Comparative study of turbulent heat transfer of nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016 , 124, 407-416	4.1	19
52	Ionanofluids with [C ₂ mim][CH ₃ SO ₃] ionic liquid and alumina nanoparticles: An experimental study on viscosity, specific heat and electrical conductivity. <i>Chemical Engineering Science</i> , 2021 , 229, 116140	4.4	19
51	Electrical Conductivity of New Nanoparticle Enhanced Fluids: An Experimental Study. <i>Nanomaterials</i> , 2019 , 9,	5.4	18
50	Viscosity and isobaric specific heat capacity of alumina nanoparticle enhanced ionic liquids: An experimental approach. <i>Journal of Molecular Liquids</i> , 2020 , 317, 114020	6	17
49	Field-Synergy and Figure-of-Merit Analysis of Two Oxide-Water-Based Nanofluids' Flow in Heated Tubes. <i>Heat Transfer Engineering</i> , 2017 , 38, 909-918	1.7	16
48	Numerical studies on heat transfer enhancement in different closed enclosures heated symmetrically. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015 , 121, 711-720	4.1	15
47	A study on Brinkman number variation on water based nanofluid heat transfer in partially heated tubes. <i>Mechanics Research Communications</i> , 2016 , 73, 7-11	2.2	15
46	Simulation of Nanofluids Turbulent Forced Convection at High Reynolds Number: A Comparison Study of Thermophysical Properties Influence on Heat Transfer Enhancement. <i>Flow, Turbulence and Combustion</i> , 2015 , 94, 555-575	2.5	14
45	Numerical studies on heat transfer enhancement and synergy analysis on few metal oxide water based nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 89, 1207-1215	4.9	13
44	Numerical Simulation of Nanoparticles Concentration Effect on Forced Convection in a Tube With Nanofluids. <i>Heat Transfer Engineering</i> , 2015 , 36, 1144-1153	1.7	13

43	Pumping power and heat transfer efficiency evaluation on Al ₂ O ₃ , TiO ₂ and SiO ₂ single and hybrid water-based nanofluids for energy application. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 139, 1171-1181	4.1	11
42	Ionic Liquids-Based Nanocolloids-A Review of Progress and Prospects in Convective Heat Transfer Applications. <i>Nanomaterials</i> , 2021 , 11,	5.4	10
41	Experimental and computational determination of heat transfer, entropy generation and pressure drop under turbulent flow in a tube with fly ash-Cu hybrid nanofluid. <i>International Journal of Thermal Sciences</i> , 2021 , 167, 107016	4.1	10
40	Novel empirical correlation for ionanofluid PEC inside tube subjected to heat flux with application to solar energy. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 1161-1170	4.1	9
39	An Experimental Method to Decrease Heating Time in a Commercial Furnace. <i>Experimental Heat Transfer</i> , 2010 , 23, 175-184	2.4	9
38	A complex evaluation of [C ₂ mim][CH ₃ SO ₃] alumina nanoparticle enhanced ionic liquids internal laminar flow. <i>International Journal of Heat and Mass Transfer</i> , 2020 , 154, 119674	4.9	9
37	An Analysis of the Electricity Sector in Romania. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , 2014 , 9, 149-155	3.1	8
36	Experimental evaluation of electrical conductivity of ionanofluids based on water[C ₂ mim][CH ₃ SO ₃] ionic liquids mixtures and alumina nanoparticles. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 145, 3151-3157	4.1	8
35	State of the Art in PEG-Based Heat Transfer Fluids and Their Suspensions with Nanoparticles. <i>Nanomaterials</i> , 2021 , 11,	5.4	8
34	Effect of ball milling on the thermal conductivity and viscosity of Indian coal fly ash nanofluid. <i>Heat Transfer</i> , 2020 , 49, 4475-4490	3.1	7
33	Thermal Conductivity Enhancement by Adding Nanoparticles to Ionic Liquids. <i>Solid State Phenomena</i> , 2017 , 261, 121-126	0.4	7
32	Electrical and Rheological Behavior Of Stabilized Al ₂ O ₃ Nanofluids. <i>Current Nanoscience</i> , 2013 , 9, 81-88	1.4	5
31	Simulation of heat transfer processes in an unconventional furnace. <i>Journal of Engineering Thermophysics</i> , 2010 , 19, 31-38	1.4	5
30	Thermal conductivity of stabilized PEG 400 based nanofluids: An experimental approach. <i>International Communications in Heat and Mass Transfer</i> , 2022 , 130, 105798	5.8	4
29	Fire Properties of Acrylonitrile Butadiene Styrene Enhanced with Organic Montmorillonite and Exolit Fire Retardant. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 5433	2.6	4
28	Numerical simulation and experimental validation of heat transfer enhancement on a loaded heat treatment furnace. <i>Journal of Engineering Thermophysics</i> , 2010 , 19, 184-191	1.4	3
27	Saving energy through improving convection in a muffle furnace. <i>Thermal Science</i> , 2008 , 12, 121-125	1.2	3
26	Nanoparticles in Ionic Liquids: Numerical Evaluation of Heat Transfer Behavior in Laminar Flow. <i>Heat Transfer Engineering</i> , 2020 , 1-10	1.7	3

25	An Experimental Study on Electrical Conductivity of Several Oxide Nanoparticle Enhanced PEG 400 Fluid. <i>International Journal of Thermophysics</i> , 2021 , 42, 1	2.1	3
24	Ionanofluids natural convection heat transfer and entropy generation in a rectangular cavity: Viscosity influence. <i>Journal of Molecular Liquids</i> , 2021 , 338, 116651	6	3
23	Barriers and challenges in hybrid nanofluids development and implementation 2020 , 255-280		2
22	Improvement of Properties of Aluminum Bronze CuAl7Mn3 by Heat Treatments. <i>Applied Mechanics and Materials</i> , 2014 , 657, 412-416	0.3	2
21	Electrical and Rheological Behavior Of Stabilized Al ₂ O ₃ Nanofluids. <i>Current Nanoscience</i> , 2013 , 9, 81-88	1.4	2
20	Experimental studies on several properties of PEG 400 and MWCNT nano-enhanced PEG 400 fluids. <i>Journal of Molecular Liquids</i> , 2022 , 356, 119049	6	2
19	Influence of Microtube Heating Geometry on Behavior of an Alumina Nanofluid at Low Reynolds Numbers. <i>Applied Mechanics and Materials</i> , 2013 , 371, 596-600	0.3	1
18	A review on analytical techniques for natural convection investigation in a heated closed enclosure: Case study. <i>Thermal Science</i> , 2015 , 19, 1077-1095	1.2	1
17	A STUDY ON ENERGY CONSUMPTION IN ROMANIA. <i>Environmental Engineering and Management Journal</i> , 2010 , 9, 581-587	0.6	1
16	Numerical studies on nanoparticle stabilization in ionic liquid medium (IoNanofluids) 2021 , 243-262		1
15	Viscosity and isobaric heat capacity of PEG 400-based phase change materials nano-enhanced with ZnO nanoparticles. <i>Journal of Thermal Analysis and Calorimetry</i> , 1	4.1	0
14	PEG 400-Based phase change materials Nano-Enhanced with Alumina: An experimental approach. <i>AEJ - Alexandria Engineering Journal</i> , 2022 , 61, 6819-6830	6.1	0
13	THE EFFECT OF MONTMORILLONITE CLAY AND FIRE RETARDANTS ON THE HEAT OF COMBUSTION OF RECYCLED ACRYLONITRILE-BUTADIENE STYRENE. <i>Environmental Engineering and Management Journal</i> , 2019 , 18, 2387-2396	0.6	0
12	EXPERIMENTAL TECHNIQUE FOR SAVING ENERGY IN OVAL FURNACES. <i>Environmental Engineering and Management Journal</i> , 2009 , 8, 463-468	0.6	0
11	Editor's Preface for the Special Issue on Nanoparticle-Enhanced Ionic Liquids. <i>International Journal of Thermophysics</i> , 2021 , 42, 1	2.1	0
10	Effects of using nanofluid, applying a magnetic field, and placing turbulators in channels on the convective heat transfer: A comprehensive review. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 162, 112453	16.2	0
9	Analytical Technique for Estimating the Thermophysical Properties of Hybrid Nanofluids. <i>Advanced Materials Research</i> , 2017 , 1143, 207-213	0.5	
8	Studies on few Water Based Nanofluids Behavior at Heating. <i>Advanced Materials Research</i> , 2015 , 1128, 384-389	0.5	

7	A Study on Uncertainties in Estimations of Thermal Conductivity of Alumina Nanofluids. <i>Applied Mechanics and Materials</i> , 2015 , 809-810, 525-530	0.3
6	Theoretical Considerations on Fibre Reinforced Composites Thermal Conductivity Uncertainties. <i>Advanced Materials Research</i> , 2015 , 1128, 171-177	0.5
5	A comparison study on experimental heat transfer enhancement on different furnaces enclosures. <i>Heat and Mass Transfer</i> , 2012 , 48, 1837-1845	2.2
4	Experimental studies on radiation heat transfer enhancement on a standard muffle furnace. <i>Thermal Science</i> , 2013 , 17, 591-598	1.2
3	Experimental and theoretical investigation of stress variation in AlCu4Mg1 aluminum alloy. <i>Surface Engineering and Applied Electrochemistry</i> , 2008 , 44, 335-338	0.8
2	ANALYTICAL APPROACH TO ESTIMATE THE AIR FLOW RATE IN THE BOUNDARY LAYER OF A HEATED FURNACE WALL. <i>Environmental Engineering and Management Journal</i> , 2008 , 7, 329-335	0.6
1	RESONANT TECHNIQUES AS NON-DESTRUCTIVE TECHNIQUES (NDT) APPLIED TO COMPOSITE MATERIALS: CASE STUDY ON LOW VELOCITY IMPACTS DETECTION. <i>Environmental Engineering and Management Journal</i> , 2015 , 14, 1045-1052	0.6