

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.

112 papers	4,136 citations	39 h-index	61 g-index
116 ext. papers	4,949 ext. citations	4.5 avg, IF	6.09 L-index

#	Paper	IF	Citations
112	The enhancement of effective thermal conductivity and effective dynamic viscosity of nanofluids □ A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 53, 1046-1058	16.2	198
111	Experimental determination of turbulent forced convection heat transfer and friction factor with SiO ₂ nanofluid. <i>Experimental Thermal and Fluid Science</i> , 2013 , 51, 103-111	3	154
110	Experimental investigation of thermal conductivity and dynamic viscosity on nanoparticle mixture ratios of TiO ₂ -SiO ₂ nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 116, 1143-1152	4.9	151
109	Alcohol based automotive fuels from first four alcohol family in compression and spark ignition engine: A review on engine performance and exhaust emissions. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 77, 169-181	16.2	137
108	An experimental study on the thermal conductivity and dynamic viscosity of TiO ₂ -SiO ₂ nanofluids in water: Ethylene glycol mixture. <i>International Communications in Heat and Mass Transfer</i> , 2017 , 86, 181-189	5.8	134
107	Solar energy in Iran: Current state and outlook. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 49, 931-942	16.2	131
106	A review of water heating system for solar energy applications. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 76, 178-187	5.8	121
105	Experimental Investigation of Thermal Conductivity and Electrical Conductivity of Al ₂ O ₃ Nanofluid in Water - Ethylene Glycol Mixture for Proton Exchange Membrane Fuel Cell Application. <i>International Communications in Heat and Mass Transfer</i> , 2015 , 61, 61-68	5.8	113
104	Potential of nanorefrigerant and nanolubricant on energy saving in refrigeration system □ A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 69, 415-428	16.2	111
103	Thermal conductivity and viscosity of Al ₂ O ₃ nanofluids for different based ratio of water and ethylene glycol mixture. <i>Experimental Thermal and Fluid Science</i> , 2017 , 81, 420-429	3	109
102	Comparison of convective heat transfer coefficient and friction factor of TiO ₂ nanofluid flow in a tube with twisted tape inserts. <i>International Journal of Thermal Sciences</i> , 2014 , 81, 84-93	4.1	99
101	A review on the application of response surface method and artificial neural network in engine performance and exhaust emissions characteristics in alternative fuel. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 90, 665-686	16.2	91
100	Thermo-physical properties of hybrid nanofluids and hybrid nanolubricants: A comprehensive review on performance. <i>International Communications in Heat and Mass Transfer</i> , 2017 , 83, 30-39	5.8	82
99	Heat transfer and friction factor of water based TiO ₂ and SiO ₂ nanofluids under turbulent flow in a tube. <i>International Communications in Heat and Mass Transfer</i> , 2014 , 59, 30-38	5.8	82
98	The effect of combustion management on diesel engine emissions fueled with biodiesel-diesel blends. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 73, 307-331	16.2	79
97	Investigation of thermal conductivity and viscosity of Al ₂ O ₃ /PAG nanolubricant for application in automotive air conditioning system. <i>International Journal of Refrigeration</i> , 2016 , 70, 93-102	3.8	74
96	Experimental investigation of thermal conductivity and electrical conductivity of BioGlycol□water mixture based Al ₂ O ₃ nanofluid. <i>Applied Thermal Engineering</i> , 2016 , 102, 932-941	5.8	74

95	Effects of working temperature on thermo-physical properties and forced convection heat transfer of TiO ₂ nanofluids in water-Ethylene glycol mixture. <i>Applied Thermal Engineering</i> , 2016 , 106, 1190-1199	5.8	73
94	SVM and ANFIS for prediction of performance and exhaust emissions of a SI engine with gasoline-Ethanol blended fuels. <i>Applied Thermal Engineering</i> , 2016 , 95, 186-203	5.8	72
93	Corrosion effect of phase change materials in solar thermal energy storage application. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 76, 19-33	16.2	69
92	Response surface methodology (RSM) based multi-objective optimization of fusel oil -gasoline blends at different water content in SI engine. <i>Energy Conversion and Management</i> , 2017 , 150, 222-241	10.6	69
91	Heat transfer performance of TiO ₂ -BiO ₂ nanofluids in a tube with wire coil inserts. <i>Applied Thermal Engineering</i> , 2019 , 152, 275-286	5.8	69
90	Performance analysis of SiO ₂ /PAG nanolubricant in automotive air conditioning system. <i>International Journal of Refrigeration</i> , 2017 , 75, 204-216	3.8	65
89	Thermo-physical properties of Al ₂ O ₃ -SiO ₂ /PAG composite nanolubricant for refrigeration system. <i>International Journal of Refrigeration</i> , 2017 , 80, 1-10	3.8	64
88	Thermal analysis of Al ₂ O ₃ -water ethylene glycol mixture nanofluid for single PEM fuel cell cooling plate: An experimental study. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 5096-5112	6.7	63
87	Thermal Conductivity Enhancement of Al ₂ O ₃ Nanofluid in Ethylene Glycol and Water Mixture. <i>Energy Procedia</i> , 2015 , 79, 397-402	2.3	62
86	An experimental determination of thermal conductivity and viscosity of BioGlycol/water based TiO ₂ nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 77, 22-32	5.8	59
85	Experimental investigation of nanoparticle mixture ratios on TiO ₂ -BiO ₂ nanofluids heat transfer performance under turbulent flow. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 118, 617-627	4.9	59
84	Experimental investigation on heat transfer performance of TiO ₂ nanofluids in water-Ethylene glycol mixture. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 73, 16-24	5.8	58
83	Numerical validation of experimental heat transfer coefficient with SiO ₂ nanofluid flowing in a tube with twisted tape inserts. <i>Applied Thermal Engineering</i> , 2014 , 73, 296-306	5.8	56
82	Comparative study of thermo-physical properties of SiO ₂ and Al ₂ O ₃ nanoparticles dispersed in PAG lubricant. <i>Applied Thermal Engineering</i> , 2017 , 116, 823-832	5.8	52
81	Application of response surface methodology in optimization of performance and exhaust emissions of secondary butyl alcohol-gasoline blends in SI engine. <i>Energy Conversion and Management</i> , 2017 , 133, 178-195	10.6	52
80	Experimental investigation on thermo-physical properties of metal oxide composite nanolubricants. <i>International Journal of Refrigeration</i> , 2018 , 89, 11-21	3.8	48
79	Development of nanorefrigerants for various types of refrigerant based: A comprehensive review on performance. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 76, 285-293	5.8	45
78	Force convection heat transfer of Al ₂ O ₃ nanofluids for different based ratio of water: Ethylene glycol mixture. <i>Applied Thermal Engineering</i> , 2017 , 112, 707-719	5.8	45

77	Heat transfer and friction factor of water and ethylene glycol mixture based TiO ₂ and Al ₂ O ₃ nanofluids under turbulent flow. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 76, 24-32	5.8	45
76	Experimental investigation of turbulent heat transfer by counter and co-swirling flow in a flat tube fitted with twin twisted tapes. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 75, 295-302	5.8	44
75	Heat transfer augmentation of ethylene glycol: water nanofluids and applications [A review]. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 75, 13-23	5.8	42
74	Experimental investigation of combustion, emissions and thermal balance of secondary butyl alcohol-gasoline blends in a spark ignition engine. <i>Energy Conversion and Management</i> , 2016 , 123, 1-14	10.6	40
73	EFFECT OF TEMPERATURE ON HEAT TRANSFER COEFFICIENT OF TITANIUM DIOXIDE IN ETHYLENE GLYCOL-BASED NANOFLUID. <i>Journal of Mechanical Engineering and Sciences</i> , 2015 , 8, 1367-1375	2	39
72	Micro Combined Heat and Power to provide heat and electrical power using biomass and Gamma-type Stirling engine. <i>Applied Thermal Engineering</i> , 2016 , 103, 1460-1469	5.8	38
71	Experimental investigation and development of new correlations for heat transfer enhancement and friction factor of BioGlycol/water based TiO ₂ nanofluids in flat tubes. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 108, 1026-1035	4.9	37
70	Correlations for thermal conductivity and viscosity of water based nanofluids. <i>IOP Conference Series: Materials Science and Engineering</i> , 2012 , 36, 012029	0.4	35
69	Mechanism for improvement in refrigeration system performance by using nanorefrigerants and nanolubricants [A review]. <i>International Communications in Heat and Mass Transfer</i> , 2018 , 92, 56-63	5.8	34
68	Experimental investigation and development of new correlation for thermal conductivity and viscosity of BioGlycol/water based SiO ₂ nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 77, 54-63	5.8	34
67	Experimental investigation of heat transfer and friction factor of TiO ₂ -SiO ₂ nanofluids in water:ethylene glycol mixture. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 124, 1361-1369	4.9	34
66	Thermo-electrical performance of PEM fuel cell using Al ₂ O ₃ nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 119, 460-471	4.9	32
65	Thermophysical Properties of Silicon Dioxide (SiO ₂) in Ethylene Glycol/Water Mixture for Proton Exchange Membrane Fuel Cell Cooling Application. <i>Energy Procedia</i> , 2015 , 79, 366-371	2.3	32
64	Improved thermal conductivity of TiO ₂ /SiO ₂ hybrid nanofluid in ethylene glycol and water mixture. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 257, 012067	0.4	30
63	Thermal analysis of earth-to-air heat exchanger using laboratory simulator. <i>Applied Thermal Engineering</i> , 2018 , 134, 130-140	5.8	28
62	Experimental investigation on stability and thermo-physical properties of Al ₂ O ₃ /SiO ₂ /PAG nanolubricants with different nanoparticle ratios. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 1243-1255	4.1	27
61	Effects of biodiesel fuel obtained from Salvia macrosiphon oil (ultrasonic-assisted) on performance and emissions of diesel engine. <i>Energy</i> , 2017 , 131, 289-296	7.9	24
60	Investigation of Al ₂ O ₃ Nanofluid Viscosity for Different Water/EG Mixture Based. <i>Energy Procedia</i> , 2015 , 79, 354-359	2.3	24

59	Performance improvement in mobile air conditioning system using Al ₂ O ₃ /PAG nanolubricant. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 1299-1310	4.1	24
58	Review on matrix thermal absorber designs for solar air collector. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 64, 682-693	16.2	21
57	Numerical study of nanofluid heat transfer for different tube geometries [A comprehensive review on performance. <i>International Communications in Heat and Mass Transfer</i> , 2017 , 86, 60-70	5.8	20
56	Experimental analysis of SiO ₂ -Distilled water nanofluids in a Polymer Electrolyte Membrane fuel cell parallel channel cooling plate. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 25850-25862	6.7	20
55	Experimental Investigation of Al ₂ O ₃ - Water Ethylene Glycol Mixture Nanofluid Thermal Behaviour in a Single Cooling Plate for PEM Fuel Cell Application. <i>Energy Procedia</i> , 2015 , 79, 252-258	2.3	20
54	Thermophysical properties measurement of nano cellulose in ethylene glycol/water. <i>Applied Thermal Engineering</i> , 2017 , 123, 1158-1165	5.8	19
53	Turbulent Forced Convection Heat Transfer of Nanofluids with Twisted Tape Insert in a Plain Tube. <i>Energy Procedia</i> , 2014 , 52, 296-307	2.3	19
52	Investigation on effective thermal conductivity and relative viscosity of cellulose nanocrystal as a nanofluidic thermal transport through a combined experimental [Statistical approach by using Response Surface Methodology. <i>Applied Thermal Engineering</i> , 2017 , 122, 473-483	5.8	18
51	Coefficient of friction and wear rate effects of different composite nanolubricant concentrations on Aluminium 2024 plate. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 257, 012065	0.4	17
50	Energy saving in automotive air conditioning system performance using SiO ₂ /PAG nanolubricants. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 1285-1297	4.1	17
49	A review on thermo-physical properties and heat transfer applications of single and hybrid metal oxide nanofluids. <i>Journal of Mechanical Engineering and Sciences</i> , 2019 , 13, 5182-5211	2	16
48	Thermal Analysis of Heat Transfer Enhancement and Fluid Flow for Low Concentration of Al ₂ O ₃ Water - Ethylene Glycol Mixture Nanofluid in a Single PEMFC Cooling Plate. <i>Energy Procedia</i> , 2015 , 79, 259-264	2.3	15
47	NANOFLUIDS HEAT TRANSFER ENHANCEMENT THROUGH STRAIGHT CHANNEL UNDER TURBULENT FLOW. <i>International Journal of Automotive and Mechanical Engineering</i> , 2015 , 11, 2294-2305 ^{1.4}		15
46	Investigation of thermal conductivity and viscosity of Al ₂ O ₃ /water[ethylene glycol mixture nanocoolant for cooling channel of hot-press forming die application. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 78, 182-189	5.8	14
45	Experimental determination of thermophysical properties of Indonesian fly-ash nanofluid for heat transfer applications. <i>Particulate Science and Technology</i> , 2021 , 39, 597-606	2	14
44	Preparation and stability of silicone dioxide dispersed in polyalkylene glycol based nanolubricants. <i>MATEC Web of Conferences</i> , 2017 , 90, 01049	0.3	13
43	Investigation on stability of tri-hybrid nanofluids in water-ethylene glycol mixture. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 469, 012068	0.4	12
42	A REVIEW OF NANOFLUID ADOPTION IN POLYMER ELECTROLYTE MEMBRANE (PEM) FUEL CELLS AS AN ALTERNATIVE COOLANT. <i>Journal of Mechanical Engineering and Sciences</i> , 2015 , 8, 1351-1366	2	12

41	Thermal hydraulic performance for hybrid composition ratio of TiO ₂ /SiO ₂ nanofluids in a tube with wire coil inserts. <i>Case Studies in Thermal Engineering</i> , 2021 , 25, 100899	5.6	12
40	Thermal/Electrical/Hydraulic properties of Al ₂ O ₃ /SiO ₂ hybrid nanofluids for advanced PEM fuel cell thermal management. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 1555-1567	4.1	12
39	Experimental and numerical study of heat transfer and friction factor of plain tube with hybrid nanofluids. <i>Case Studies in Thermal Engineering</i> , 2020 , 22, 100782	5.6	11
38	Application of response surface methodology in optimization of automotive air-conditioning performance operating with SiO ₂ /PAG nanolubricant. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 1269-1283	4.1	11
37	Nanofluid Properties for Forced Convection Heat Transfer: An Overview. <i>Journal of Mechanical Engineering and Sciences</i> , 2013 , 4, 397-408	2	11
36	Recent Progress on Stability and Thermo-Physical Properties of Mono and Hybrid towards Green Nanofluids. <i>Micromachines</i> , 2021 , 12,	3.3	11
35	Development of nanolubricant automotive air conditioning (AAC) test rig. <i>MATEC Web of Conferences</i> , 2017 , 90, 01050	0.3	10
34	Heat transfer and friction factor of composite TiO ₂ /SiO ₂ nanofluids in water-ethylene glycol (60:40) mixture. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 257, 012066	0.4	9
33	FORCED CONVECTION HEAT TRANSFER USING WATER- ETHYLENE GLYCOL (60:40) BASED NANOFLUIDS IN AUTOMOTIVE COOLING SYSTEM. <i>International Journal of Automotive and Mechanical Engineering</i> , 2015 , 11, 2747-2755	1.4	9
32	Stability and thermo-physical properties of green bio-glycol based TiO ₂ -SiO ₂ nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2021 , 126, 105402	5.8	9
31	Thermal conductivity enhancement of Al ₂ O ₃ and SiO ₂ nanolubricants for application in automotive air conditioning (AAC) system. <i>MATEC Web of Conferences</i> , 2017 , 90, 01051	0.3	8
30	Thermal conductivity enhancement and sedimentation reduction of magnetorheological fluids with nano-sized Cu and Al additives. <i>Smart Materials and Structures</i> , 2017 , 26, 115009	3.4	8
29	Extensive examination of sonication duration impact on stability of Al ₂ O ₃ -Polyol ester nanolubricant. <i>International Communications in Heat and Mass Transfer</i> , 2021 , 126, 105418	5.8	8
28	The characterization and thermo-physical property investigations of SiO ₂ /HFE7000 nanorefrigerants. <i>International Journal of Refrigeration</i> , 2018 , 88, 275-283	3.8	6
27	Heat Transfer Augmentation of Al ₂ O ₃ Nanofluid in 60:40 Water to Ethylene Glycol Mixture. <i>Energy Procedia</i> , 2015 , 79, 403-408	2.3	6
26	TiO ₂ -SiO ₂ nanofluid characterization: Towards efficient with water/ethylene glycol mixture for solar application. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 863, 012055	0.4	6
25	Comprehensive review of principle factors for thermal conductivity and dynamic viscosity enhancement in thermal transport applications: An analytical tool approach. <i>International Communications in Heat and Mass Transfer</i> , 2018 , 98, 13-21	5.8	6
24	Numerical investigation for turbulent heat transfer of TiO ₂ /SiO ₂ nanofluids with wire coil inserts. <i>Numerical Heat Transfer; Part A: Applications</i> , 2019 , 75, 271-289	2.3	5

23	Composite nanolubricants in automotive air conditioning system: An investigation on its performance. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 469, 012078	0.4	4
22	Heat transfer characteristics of car radiator using tri-hybrid nanocoolant. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 863, 012054	0.4	4
21	The stability of TiO ₂ /POE nanolubricant for automotive air-conditioning system of hybrid electric vehicles. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 863, 012050	0.4	3
20	Fabrication of SiC and Al ₂ O ₃ foams by replica method for premixed porous burner application 2019 , ,		2
19	Performance of Al ₂ O ₃ -SiO ₂ /PAG employed composite nanolubricant in automotive air conditioning (AAC) system. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 863, 012052	0.4	2
18	Characterization of TiO ₂ nanopaint for automotive application. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 863, 012053	0.4	2
17	Tribological performance of Al ₂ O ₃ SiO ₂ /PAG composite nanolubricants for application in air-conditioning compressor. <i>Wear</i> , 2022 , 492-493, 204238	3.5	2
16	Comparative air conditioning performance using SiO ₂ and Al ₂ O ₃ nanolubricants operating with Hydrofluoroolefin-1234yf refrigerant. <i>Applied Thermal Engineering</i> , 2022 , 205, 118053	5.8	2
15	Energy and exergy analysis of compact automotive air conditioning (AAC) system. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 469, 012042	0.4	1
14	R1234yf vs R134a in automotive air conditioning system: A comparison of the performance. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 863, 012049	0.4	1
13	Investigation of Influences of Secondary Butyl-alcohol Blends on Performance and Cycle-to-cycle Variations in a Spark Ignition Engines. <i>Energy Procedia</i> , 2017 , 110, 310-315	2.3	1
12	Green bio glycol Al ₂ O ₃ -SiO ₂ hybrid nanofluids for PEMFC: The thermal-electrical-hydraulic perspectives. <i>International Communications in Heat and Mass Transfer</i> , 2022 , 131, 105870	5.8	1
11	Nanofluids Containing Titanium Dioxide: Thermo-physical Properties and Energy Saving Applications 2019 , 881-900		1
10	Utilization of Response Surface Method (RSM) in Optimizing Automotive Air Conditioning (AAC) Performance Exerting Al ₂ O ₃ /PAG Nanolubricant. <i>Journal of Physics: Conference Series</i> , 2020 , 1532, 012003	0.3	1
9	Forced convection heat transfer and friction factor of water/bio-glycol mixture based TiO ₂ -SiO ₂ nanofluids. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 863, 012051	0.4	1
8	Comparative Study of Single and Composite Nanolubricants in Automotive Air-Conditioning (AAC) System Performance. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 469, 012044	0.4	1
7	An overview of vapor compression refrigeration system performance enhancement mechanism by utilizing nanolubricants. <i>Journal of Thermal Analysis and Calorimetry</i> ,1	4.1	1
6	Heat transfer and electrical discharge of hybrid nanofluid coolants in a fuel cell cooling channel application. <i>Applied Thermal Engineering</i> , 2022 , 210, 118369	5.8	1

5	Performance of Al ₂ O ₃ -SiO ₂ /PAG composite nanolubricants in automotive air-conditioning system. <i>Applied Thermal Engineering</i> , 2022 , 204, 117998	5.8	o
4	The effect of Al ₂ O ₃ /PAG nanolubricant towards automotive air conditioning (AAC) power consumption. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 863, 012056	0.4	o
3	Thermo-physical Properties of TiO ₂ -SiO ₂ Hybrid Nanofluids Dispersion with Water/Bio-glycol Mixture. <i>Journal of Physics: Conference Series</i> , 2021 , 2000, 012003	0.3	o
2	Nanofluids Containing Titanium Dioxide: Thermo-Physical Properties and Energy Saving Applications 2018 , 1-20		
1	Development of Automotive Air-Conditioning System Test Rig for Hybrid Electric Vehicles. <i>Journal of Physics: Conference Series</i> , 2021 , 2000, 012006	0.3	