

Mohsen Sharifpur

List of Publications by Citations

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181
papers

2,753
citations

29
h-index

46
g-index

198
ext. papers

3,819
ext. citations

4.1
avg, IF

6.37
L-index

#	Paper	IF	Citations
181	A Review of Thermal Conductivity Models for Nanofluids. <i>Heat Transfer Engineering</i> , 2015 , 36, 1085-1110.	4.7	145
180	The Viscosity of Nanofluids: A Review of the Theoretical, Empirical, and Numerical Models. <i>Heat Transfer Engineering</i> , 2016 , 37, 387-421	1.7	139
179	Influence of base fluid, temperature, and concentration on the thermophysical properties of hybrid nanofluids of alumina/ferrofluid: experimental data, modeling through enhanced ANN, ANFIS, and curve fitting. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 4149-4167	4.1	107
178	Natural convective heat transfer and entropy generation of alumina/water nanofluid in a tilted enclosure with an elliptic constant temperature: Applying magnetic field and radiation effects. <i>International Journal of Mechanical Sciences</i> , 2020 , 174, 105470	5.5	102
177	Nanofluids: Physical phenomena, applications in thermal systems and the environment effects- a critical review. <i>Journal of Cleaner Production</i> , 2021 , 320, 128573	10.3	88
176	Experimental investigation on cavity flow natural convection of Al ₂ O ₃ /water nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 76, 316-324	5.8	76
175	A new model for density of nanofluids including nanolayer. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 78, 168-174	5.8	63
174	Application of the FCM-based neuro-fuzzy inference system and genetic algorithm-polynomial neural network approaches to modelling the thermal conductivity of alumina/water nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2012 , 39, 971-977	5.8	61
173	A review of magnetic field influence on natural convection heat transfer performance of nanofluids in square cavities. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 145, 2581-2623	4.1	59
172	Experimental investigation and model development for effective viscosity of Al ₂ O ₃ /glycerol nanofluids by using dimensional analysis and GMDH-NN methods. <i>International Communications in Heat and Mass Transfer</i> , 2015 , 68, 208-219	5.8	57
171	Thermodynamic evaluation and multi-objective optimization of molten carbonate fuel cell-supercritical CO ₂ Brayton cycle hybrid system. <i>Energy Conversion and Management</i> , 2017 , 153, 538-556	10.6	55
170	CFD modelling of heat transfer and pressure drops for nanofluids through vertical tubes in laminar flow by Lagrangian and Eulerian approaches. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 88, 803-813	4.9	55
169	Experimental investigation and model development for effective viscosity of MgO/ethylene glycol nanofluids by using dimensional analysis, FCM-ANFIS and GA-PNN techniques. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 72, 71-83	5.8	54
168	Experimental study on natural convection of MWCNT-water nanofluids in a square enclosure. <i>International Communications in Heat and Mass Transfer</i> , 2017 , 88, 1-8	5.8	54
167	Experimental study of thermo-convection performance of hybrid nanofluids of Al ₂ O ₃ -MWCNT/water in a differentially heated square cavity. <i>International Journal of Heat and Mass Transfer</i> , 2020 , 148, 119072	4.9	53
166	Viscosity of nanofluids based on an artificial intelligence model. <i>International Communications in Heat and Mass Transfer</i> , 2013 , 43, 16-21	5.8	51
165	Thermodynamic and economic analysis of performance evaluation of all the thermal power plants: A review. <i>Energy Science and Engineering</i> , 2019 , 7, 30-65	3.4	48

164	Experimental investigation and model development for thermal conductivity of Al_2O_3 -glycerol nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2017 , 85, 12-22	5.8	44
163	Performance enhancement of a two-phase closed thermosiphon with a thin porous copper coating. <i>International Communications in Heat and Mass Transfer</i> , 2017 , 82, 9-19	5.8	39
162	Influence of ultrasonication energy on the dispersion consistency of Al_2O_3 -glycerol nanofluid based on viscosity data, and model development for the required ultrasonication energy density. <i>Journal of Experimental Nanoscience</i> , 2016 , 11, 630-649	1.9	39
161	Optimum concentration of nanofluids for heat transfer enhancement under cavity flow natural convection with TiO_2 /Water. <i>International Communications in Heat and Mass Transfer</i> , 2018 , 98, 297-303	5.8	39
160	Experimental investigation of convection heat transfer in the transition flow regime of aluminium oxide-water nanofluids in a rectangular channel. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 133, 895-902	4.9	38
159	Effects of uniform magnetic induction on heat transfer performance of aqueous hybrid ferrofluid in a rectangular cavity. <i>Applied Thermal Engineering</i> , 2020 , 170, 115004	5.8	37
158	Effect of U-shaped absorber tube on thermal-hydraulic performance and efficiency of two-fluid parabolic solar collector containing two-phase hybrid non-Newtonian nanofluids. <i>International Journal of Mechanical Sciences</i> , 2020 , 185, 105832	5.5	35
157	Experimental Investigation on Stability, Viscosity, and Electrical Conductivity of Water-Based Hybrid Nanofluid of MWCNT-FeO. <i>Nanomaterials</i> , 2021 , 11,	5.4	34
156	On the specific heat capacity estimation of metal oxide-based nanofluid for energy perspective [A comprehensive assessment of data analysis techniques. <i>International Communications in Heat and Mass Transfer</i> , 2021 , 123, 105217	5.8	32
155	Natural convection enhancement in a porous cavity with Al_2O_3 -Ethylene glycol/water nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 108, 1324-1334	4.9	31
154	Experimental study on the influence of the aspect ratio of square cavity on natural convection heat transfer with Al_2O_3 /Water nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2017 , 88, 254-261	5.8	31
153	3D experimental visualization of water flooding in proton exchange membrane fuel cells. <i>Energy</i> , 2019 , 175, 967-977	7.9	31
152	Heat Transfer and Flow Characteristics of Al_2O_3 /Water Nanofluid in Various Heat Exchangers: Experiments on Counter Flow. <i>Heat Transfer Engineering</i> , 2020 , 41, 220-234	1.7	29
151	Investigation Into Effective Viscosity, Electrical Conductivity, and pH of Al_2O_3 -Glycerol Nanofluids in Einstein Concentration Regime. <i>Heat Transfer Engineering</i> , 2015 , 36, 1241-1251	1.7	28
150	Factors affecting the pH and electrical conductivity of MgO -ethylene glycol nanofluids. <i>Bulletin of Materials Science</i> , 2015 , 38, 1345-1357	1.7	28
149	Numerical simulation of the effect of battery distance and inlet and outlet length on the cooling of cylindrical lithium-ion batteries and overall performance of thermal management system. <i>Journal of Energy Storage</i> , 2022 , 45, 103714	7.8	27
148	Enhancement in heat transfer of a ferrofluid in a differentially heated square cavity through the use of permanent magnets. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 443, 149-158	2.8	25
147	Estimating the Heat Capacity of Non-Newtonian Ionanofluid Systems Using ANN, ANFIS, and SGB Tree Algorithms. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 6432	2.6	25

146	Nanofluid Viscosity: A simple model selection algorithm and parametric evaluation. <i>Computers and Fluids</i> , 2014 , 101, 241-249	2.8	24
145	Magneto-fluid dynamic and second law analysis in a hot porous cavity filled by nanofluid and nano-encapsulated phase change material suspension with different layout of cooling channels. <i>Journal of Energy Storage</i> , 2020 , 31, 101720	7.8	24
144	Characterisation of a grooved heat pipe with an anodised surface. <i>Heat and Mass Transfer</i> , 2017 , 53, 753-763	7.63	23
143	Numerical investigation into mutual effects of soil thermal and isothermal properties on heat and moisture transfer in unsaturated soil applied as thermal storage system. <i>Numerical Heat Transfer; Part A: Applications</i> , 2018 , 73, 466-481	2.3	23
142	Study of particle migration and deposition in mixed convective pipe flow of nanofluids at different inclination angles. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 1563-1575	4.1	23
141	Magnetohydrodynamic convection behaviours of nanofluids in non-square enclosures: A comprehensive review. <i>Mathematical Methods in the Applied Sciences</i> , 2020 ,	2.3	22
140	Combination of baffling technique and high-thermal conductivity fluids to enhance the overall performances of solar channels. <i>Engineering With Computers</i> , 2020 , 1	4.5	22
139	Aggregation study of Brownian nanoparticles in convective phenomena. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 111-121	4.1	22
138	Thermal characteristics of CPU cooling by using a novel porous heat sink and nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 138, 805-817	4.1	20
137	The Effects of Fin Parameters on the Solidification of PCMs in a Fin-Enhanced Thermal Energy Storage System. <i>Energies</i> , 2020 , 13, 198	3.1	19
136	A Review and Parametric Investigation Into Nanofluid Viscosity Models. <i>Journal of Nanotechnology in Engineering and Medicine</i> , 2014 , 5,		19
135	Effects of Different Wall Shapes on Thermal-Hydraulic Characteristics of Different Channels Filled with Water Based Graphite-SiO ₂ Hybrid Nanofluid. <i>Processes</i> , 2021 , 9, 1253	2.9	19
134	Natural Convection and Entropy Generation of MgO/Water Nanofluids in the Enclosure under a Magnetic Field and Radiation Effects. <i>Processes</i> , 2021 , 9, 1277	2.9	18
133	Experimental measurement of viscosity and electrical conductivity of water-based Al ₂ O ₃ /MWCNT hybrid nanofluids with various particle mass ratios. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 1037-1050	4.1	18
132	Modelling and multi-objective optimisation of the convective heat transfer characteristics and pressure drop of low concentration TiO ₂ /water nanofluids in the turbulent flow regime. <i>International Journal of Heat and Mass Transfer</i> , 2013 , 67, 646-653	4.9	17
131	Numerical calculations of the thermal-aerodynamic characteristics in a solar duct with multiple V-baffles. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2020 , 14, 1173-1197	4.5	17
130	Optimal Load Frequency Control of Island Microgrids via a PID Controller in the Presence of Wind Turbine and PV. <i>Sustainability</i> , 2021 , 13, 10728	3.6	17
129	Energy, exergy and economic investigation of passive and active inclined solar still: experimental study. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 145, 1091-1102	4.1	15

128	Experimental investigation into heat transfer performance of water-based magnetic hybrid nanofluids in a rectangular cavity exposed to magnetic excitation. <i>International Communications in Heat and Mass Transfer</i> , 2020 , 116, 104698	5.8	14
127	Experimental Research and Development on the Natural Convection of Suspensions of Nanoparticles-A Comprehensive Review. <i>Nanomaterials</i> , 2020 , 10,	5.4	14
126	Influence of nanoparticles size, per cent mass ratio, and temperature on the thermal properties of water-based MgO/ZnO nanofluid: an experimental approach. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 1063-1079	4.1	14
125	A new combination of nanoparticles mass diffusion flux and slip mechanism approaches with electrostatic forces in a natural convective cavity flow. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 106, 980-988	4.9	13
124	Discrete modelling of nanoparticles in mixed convection flows. <i>Powder Technology</i> , 2018 , 338, 243-252	5.2	13
123	Fluid flow and heat transfer analysis of nanofluid jet cooling on a hot surface with various roughness. <i>International Communications in Heat and Mass Transfer</i> , 2020 , 118, 104842	5.8	13
122	Experimental and numerical study of the thermal and hydrodynamic characteristics of laminar natural convective flow inside a rectangular cavity with water, ethylene glycol/water and air. <i>Experimental Thermal and Fluid Science</i> , 2016 , 78, 50-64	3	13
121	Experimental Investigation and Model Development for Thermal Conductivity of Glycerol/MgO Nanofluids. <i>Heat Transfer Engineering</i> , 2016 , 37, 1538-1553	1.7	12
120	Heat transfer and exergy analysis of solar air heater tube with helical corrugation and perforated circular disc inserts. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 145, 1019-1034	4.1	12
119	Exploration of nanofluid pool boiling and deposition on a horizontal cylinder in Eulerian and Lagrangian frames. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 125, 959-971	4.9	12
118	A novel combined model of discrete and mixture phases for nanoparticles in convective turbulent flow. <i>Physics of Fluids</i> , 2017 , 29, 082005	4.4	11
117	Energy/Economic Analysis and Optimization of On-Grid Photovoltaic System Using CPSO Algorithm. <i>Sustainability</i> , 2021 , 13, 12420	3.6	11
116	An extensive review on thermodynamic aspect based solar desalination techniques. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 145, 1103-1119	4.1	11
115	Effect of Inclined Magnetic Field on the Entropy Generation in an Annulus Filled with NEPCM Suspension. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-14	1.1	11
114	Implementation of diffusion and electrostatic forces to produce a new slip velocity in the multiphase approach to nanofluids. <i>Powder Technology</i> , 2017 , 307, 153-162	5.2	10
113	Thermal analysis of a nanofluid free jet impingement on a rotating disk using volume of fluid in combination with discrete modelling. <i>International Journal of Thermal Sciences</i> , 2020 , 158, 106532	4.1	10
112	Simulation study of convective and hydrodynamic turbulent nanofluids by turbulence models. <i>International Journal of Thermal Sciences</i> , 2016 , 110, 36-51	4.1	10
111	Experimental investigations into viscosity, pH and electrical conductivity of nanofluid prepared from palm kernel fibre and a mixture of water and ethylene glycol. <i>Bulletin of Materials Science</i> , 2018 , 41, 1	1.7	10

110	Exergetic and economic optimization of a solar-based cogeneration system applicable for desalination and power production. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 145, 993-1003	4.1	9
109	Modelling of Nicotiana Tabacum L. Oil Biodiesel Production: Comparison of ANN and ANFIS. <i>Frontiers in Energy Research</i> , 2021 , 8,	3.8	9
108	Utilization of a solar system to charge lithium-ion batteries and using the heat generated in an in-line lithium-ion battery to heat a guard room. <i>Journal of Energy Storage</i> , 2022 , 49, 104134	7.8	8
107	Incorporating nano-scale material in solar system to reduce domestic hot water energy demand. <i>Sustainable Energy Technologies and Assessments</i> , 2022 , 49, 101735	4.7	8
106	Influence of using innovative turbulators on the exergy and energy efficacy of flat plate solar collector with DWCNTs-TiO ₂ /water nanofluid. <i>Sustainable Energy Technologies and Assessments</i> , 2022 , 51, 101855	4.7	8
105	Turbulent Flow Heat Transfer through a Circular Tube with Novel Hybrid Grooved Tape Inserts: Thermohydraulic Analysis and Prediction by Applying Machine Learning Model. <i>Sustainability</i> , 2021 , 13, 3068	3.6	8
104	RAM analysis and availability optimization of thermal power plant water circulation system using PSO. <i>Energy Reports</i> , 2021 , 7, 1133-1153	4.6	8
103	Mathematical modeling of orifice downstream flow under flow-accelerated corrosion. <i>Nuclear Engineering and Design</i> , 2018 , 326, 285-289	1.8	8
102	Numerical study on performance of double-fluid parabolic trough solar collector occupied with hybrid non-Newtonian nanofluids: Investigation of effects of helical absorber tube using deep learning. <i>Engineering Analysis With Boundary Elements</i> , 2022 , 140, 562-580	2.6	8
101	Using of artificial neural networks (ANNs) to predict the rheological behavior of magnesium oxide-water nanofluid in a different volume fraction of nanoparticles, temperatures, and shear rates. <i>Mathematical Methods in the Applied Sciences</i> , 2020 ,	2.3	7
100	Experimental and Numerical Investigation on a Water-Filled Cavity Natural Convection to Find the Proper Thermal Boundary Conditions for Simulations. <i>Heat Transfer Engineering</i> , 2018 , 39, 359-373	1.7	7
99	Simulation of melting and solidification of graphene nanoparticles-PCM inside a dual tube heat exchanger with extended surface. <i>Journal of Energy Storage</i> , 2021 , 44, 103265	7.8	7
98	Experimental Investigation into Natural Convection of Zinc Oxide/Water Nanofluids in a Square Cavity. <i>Heat Transfer Engineering</i> , 2020 , 1-13	1.7	7
97	The effect of nanoparticle shape on alumina/EG-water (50:50) nanofluids flow within a solar collector: Entropy and exergy investigation. <i>Case Studies in Thermal Engineering</i> , 2021 , 101510	5.6	7
96	Nanofluid flow and shear layers between two parallel plates: a simulation approach. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2020 , 14, 1536-1545	4.5	6
95	HEAT TRANSFER ENHANCEMENT OF DILUTE AL ₂ O ₃ -MWCNT WATER BASED HYBRID NANOFLUIDS IN A SQUARE CAVITY 2018 ,		6
94	Study of the effect of the aspect ratio of a cylindrical lithium-ion battery enclosure in an air-cooled thermal management system. <i>Journal of Energy Storage</i> , 2022 , 45, 103684	7.8	6
93	Energy, exergy and economics study of a solar/thermal panel cooled by nanofluid. <i>Case Studies in Thermal Engineering</i> , 2021 , 28, 101481	5.6	6

92	Experimental investigation of heat transfer performance of novel bio-extract doped mono and hybrid nanofluids in a radiator. <i>Case Studies in Thermal Engineering</i> , 2021 , 28, 101494	5.6	6
91	Thermodynamic and exergoeconomic analyses and performance assessment of a new configuration of a combined cooling and power generation system based on ORC/CR. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 145, 1163-1189	4.1	6
90	Experimental investigation of heat transfer and exergy loss in heat exchanger with air bubble injection technique. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 145, 727-737	4.1	6
89	Numerical study of the effect of graphene nanoparticles in calcium chloride hexahydrate -based phase change material on melting and freezing time in a circular cavity with a triangular obstacle. <i>Journal of Energy Storage</i> , 2021 , 43, 103243	7.8	6
88	Using nanoparticles in solar collector to enhance solar-assisted hot process stream usefulness. <i>Sustainable Energy Technologies and Assessments</i> , 2022 , 52, 101992	4.7	5
87	Heat transfer through converging-diverging channels using Adomian decomposition method. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2020 , 14, 1373-1384	4.5	5
86	Thermal-hydraulic efficiency management of spiral heat exchanger filled with Cu/ZnO/water hybrid nanofluid. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 1569-1582	4.1	5
85	Effects of in-line deflectors on the overall performance of a channel heat exchanger. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2021 , 15, 512-529	4.5	5
84	Heat transfer and fluid flow analysis using nanofluids in diamond-shaped cavities with novel obstacles. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2021 , 15, 1034-1056	4.5	5
83	Predicting Parameters of Heat Transfer in a Shell and Tube Heat Exchanger Using Aluminum Oxide Nanofluid with Artificial Neural Network (ANN) and Self-Organizing Map (SOM). <i>Sustainability</i> , 2021 , 13, 8824	3.6	5
82	Effect of the non-electrically conductive spindle on the viscosity measurements of nanofluids subjected to the magnetic field. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 628, 127252	5.1	5
81	Parametric Analysis of Effective Thermal Conductivity Models for Nanofluids 2012 ,		4
80	Hydrogen Production from Water Splitting through Photocatalytic Activity of Carbon-Based Materials. <i>Chemical Engineering and Technology</i> ,	2	4
79	Comparative Analysis of Five Widely-Used Multi-Criteria Decision-Making Methods to Evaluate Clean Energy Technologies: A Case Study. <i>Sustainability</i> , 2022 , 14, 1403	3.6	4
78	Application of hybrid nanofluid and a twisted turbulator in a parabolic solar trough collector: Energy and exergy models. <i>Sustainable Energy Technologies and Assessments</i> , 2022 , 49, 101708	4.7	4
77	Impact of Fusion Temperature on Hydrothermal Features of Flow within an Annulus Loaded with Nanoencapsulated Phase Change Materials (NEPCMs) during Natural Convection Process. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-14	1.1	4
76	Impact of phase change material on the amount of emission in the double-glazed window frame for different window angles. <i>Journal of Energy Storage</i> , 2021 , 44, 103320	7.8	4
75	The computational study of nanoparticles shape effects on thermal behavior of H ₂ O-Fe nanofluid: A molecular dynamics approach. <i>Journal of Molecular Liquids</i> , 2021 , 346, 117093	6	4

74	Experimental investigation of thermo-convection behaviour of aqueous binary nanofluids of MgO-ZnO in a square cavity. <i>Thermal Science and Engineering Progress</i> , 2021 , 101057	3.6	4
73	Adaptive Neuro-Fuzzy Modeling of the Thermal Conductivity of Alumina-Water Nanofluids 2012 ,		3
72	A hydrophobic-hydrophilic MXene/PVDF composite hollow fiber membrane with enhanced antifouling properties for seawater desalination. <i>Journal of Membrane Science</i> , 2022 , 644, 120146	9.6	3
71	Outdoor Thermal Comfort Optimization through Vegetation Parameterization: Species and Tree Layout. <i>Sustainability</i> , 2021 , 13, 11791	3.6	3
70	Augmentation of heat transfer in a microtube and a wavy microchannel using hybrid nanofluid: A numerical investigation. <i>Mathematical Methods in the Applied Sciences</i> , 2020 ,	2.3	3
69	Assessment of a solar-driven cogeneration system for electricity and desalination. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 145, 1711-1731	4.1	3
68	Effect of Various Surfactants on the Viscosity, Thermal and Electrical Conductivity of Graphene Nanoplatelets Nanofluid. <i>International Journal of Thermophysics</i> , 2021 , 42, 1	2.1	3
67	Heat transfer and pressure drop in turbulent nanofluid flow in a pin-fin heat sink: Fin and nanoparticles shape effects. <i>Case Studies in Thermal Engineering</i> , 2021 , 28, 101378	5.6	3
66	Thermal performance enhancement in heat exchangers using active and passive techniques: a detailed review. <i>Journal of Thermal Analysis and Calorimetry</i> , 1	4.1	3
65	Influence of artificial roughness parametric variation on thermal performance of solar thermal collector: An experimental study, response surface analysis and ANN modelling. <i>Sustainable Energy Technologies and Assessments</i> , 2022 , 52, 102047	4.7	3
64	The effect of using non-Newtonian nanofluid on pressure drop and heat transfer in a capillary cooling system connected to a pouch lithium-ion battery connected to a solar system. <i>Journal of Power Sources</i> , 2022 , 539, 231540	8.9	3
63	Heat transfer characteristics and flow visualization of anodized flat thermosiphon. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2020 , 234, 182-192	1.5	2
62	Parametric Analysis of Effective Viscosity Models for Nanofluids 2012 ,		2
61	Modeling of Proton Exchange Membrane Fuel Cell (PEMFC) Performance by Using Genetic Algorithm-Polynomial Neural Network (GA-PNN) Hybrid System 2012 ,		2
60	Evaluation of Thermochemical Characteristics and Pyrolysis of Fish Processing Waste for Renewable Energy Feedstock. <i>Sustainability</i> , 2022 , 14, 1203	3.6	2
59	Investigation and Optimization of the Performance of Energy Systems in the Textile Industry by Using CHP Systems. <i>Sustainability</i> , 2022 , 14, 1551	3.6	2
58	The influence of the geometric shape of the symmetrical twisted turbulator on the performance of parabolic solar collector having hybrid nanofluid: Numerical approach using two-phase model. <i>Sustainable Energy Technologies and Assessments</i> , 2022 , 51, 101882	4.7	2
57	A study on the effects of forced air-cooling enhancements on a 150W solar photovoltaic thermal collector for green cities. <i>Sustainable Energy Technologies and Assessments</i> , 2022 , 49, 101782	4.7	2

56	Simulation of Nanofluid Flow in a Micro-Heat Sink With Corrugated Walls Considering the Effect of Nanoparticle Diameter on Heat Sink Efficiency. <i>Frontiers in Energy Research</i> , 2021 , 9,	3.8	2
55	Effects of interphase momentum exchange models on simulation of subcooled flow boiling. <i>International Communications in Heat and Mass Transfer</i> , 2020 , 118, 104863	5.8	2
54	Convection Heat Transfer, Entropy Generation Analysis and Thermodynamic Optimization of Nanofluid Flow in Spiral Coil Tube. <i>Heat Transfer Engineering</i> , 2021 , 42, 1573-1589	1.7	2
53	Experimental and numerical investigation on convective heat transfer in actively heated bundle-pipe. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2021 , 15, 848-864	4.5	2
52	Exergy approach in decision-based design of absorption refrigeration system using artificial intelligence and simulink. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 145, 1227-1253	4.1	2
51	Simulation of a parabolic trough solar collector containing hybrid nanofluid and equipped with compound turbulator to evaluate exergy efficacy and thermal-hydraulic performance. <i>Energy Science and Engineering</i> ,	3.4	2
50	Experimental investigations to improve the electrical efficiency of photovoltaic modules using different convection mode. <i>Sustainable Energy Technologies and Assessments</i> , 2021 , 48, 101582	4.7	2
49	The effect of the zigzag arrangement of lithium-ion batteries inside the air duct of an office building for heating and evaluation of the impact of the number of air outlets in different seasons of the year. <i>Journal of Energy Storage</i> , 2022 , 50, 104204	7.8	2
48	Assessment of CO ₂ emissions associated with HVAC system in buildings equipped with phase change materials. <i>Journal of Building Engineering</i> , 2022 , 51, 104236	5.2	2
47	Numerical investigation of heat transfer in a tube equipped with twisted tape with different angles and under constant heat flux with copper nanofluid and evaluation of the results obtained using perceptron artificial neural networks. <i>Numerical Heat Transfer; Part A: Applications</i> , 1-24	2.3	2
46	Annual energy analysis of a building equipped with CaCl ₂ ·6H ₂ O as PCM and . <i>Journal of Building Engineering</i> , 2022 , 53, 104527	5.2	2
45	Numerical study of the placement and thickness of blocks equipped with phase change materials in a Trombe wall in a room- thermal performance prediction using ANN. <i>Engineering Analysis With Boundary Elements</i> , 2022 , 141, 91-116	2.6	2
44	Experimental Study of Free Convection from a Vertical Flat Plate in Porous Media. <i>Defect and Diffusion Forum</i> , 2008 , 273-276, 796-801	0.7	1
43	The impact of employing a magnetic field as well as Fe ₃ O ₄ nanoparticles on the performance of phase change materials. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2022 , 16, 196-214	4.5	1
42	Improvement of the energy and exergy efficiencies of the parabolic solar collector equipped with a twisted turbulator using SWCNT-Cu/water two-phase hybrid nanofluid. <i>Sustainable Energy Technologies and Assessments</i> , 2022 , 49, 101705	4.7	1
41	Study on the Effect of Hole Size of Trombe Wall in the Presence of Phase Change Material for Different Times of a Day in Winter and Summer. <i>Processes</i> , 2021 , 9, 1886	2.9	1
40	Applying Artificial Neural Network and Response Surface Method to Forecast the Rheological Behavior of Hybrid Nano-Antifreeze Containing Graphene Oxide and Copper Oxide Nanomaterials. <i>Sustainability</i> , 2021 , 13, 11505	3.6	1
39	Application of Cylindrical Fin to Improve Heat Transfer Rate in Micro Heat Exchangers Containing Nanofluid under Magnetic Field. <i>Processes</i> , 2021 , 9, 1278	2.9	1

38	Coupling LES with soot model for the study of soot volume fraction in a turbulent diffusion jet flames at various Reynolds number configurations. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2021 , 31, 2246-2278	4.5	1
37	Fault diagnosis of a nonlinear hybrid system using adaptive unscented Kalman filter bank. <i>Engineering With Computers</i> ,1	4.5	1
36	Computational and sensitivity analysis of a dual purpose solar chimney for buildings. <i>Materials Today: Proceedings</i> , 2021 , 47, 4126-4126	1.4	1
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