

Zafar Said

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184
papers

5,666
citations

43
h-index

69
g-index

202
ext. papers

9,252
ext. citations

5.8
avg, IF

7.11
L-index

#	Paper	IF	Citations
184	A review on thermophysical properties of nanofluids and heat transfer applications. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 74, 638-670	16.2	289
183	Evaluation of the effect of nanofluid-based absorbers on direct solar collector. <i>International Journal of Heat and Mass Transfer</i> , 2012 , 55, 5899-5907	4.9	218
182	Performance enhancement of a Flat Plate Solar collector using Titanium dioxide nanofluid and Polyethylene Glycol dispersant. <i>Journal of Cleaner Production</i> , 2015 , 92, 343-353	10.3	172
181	Recent progress on flat plate solar collectors and photovoltaic systems in the presence of nanofluid: A review. <i>Journal of Cleaner Production</i> , 2021 , 293, 126119	10.3	172
180	Energy performance of an evacuated tube solar collector using single walled carbon nanotubes nanofluids. <i>Energy Conversion and Management</i> , 2015 , 105, 1377-1388	10.6	145
179	Experimental investigation of the thermophysical properties of AL ₂ O ₃ -nanofluid and its effect on a flat plate solar collector. <i>International Communications in Heat and Mass Transfer</i> , 2013 , 48, 99-107	5.8	140
178	Analyses of exergy efficiency and pumping power for a conventional flat plate solar collector using SWCNTs based nanofluid. <i>Energy and Buildings</i> , 2014 , 78, 1-9	7	127
177	The use of nanofluids in solar concentrating technologies: A comprehensive review. <i>Journal of Cleaner Production</i> , 2018 , 196, 84-99	10.3	120
176	Modification for helical turbulator to augment heat transfer behavior of nanomaterial via numerical approach. <i>Applied Thermal Engineering</i> , 2021 , 182, 115935	5.8	118
175	Up to date review on the synthesis and thermophysical properties of hybrid nanofluids. <i>Journal of Cleaner Production</i> , 2018 , 190, 169-192	10.3	111
174	Vegetable oil-based nanofluid minimum quantity lubrication turning: Academic review and perspectives. <i>Journal of Manufacturing Processes</i> , 2020 , 59, 76-97	5	110
173	Energy and exergy analysis of a flat plate solar collector using different sizes of aluminium oxide based nanofluid. <i>Journal of Cleaner Production</i> , 2016 , 133, 518-530	10.3	105
172	Energy and exergy efficiency of a flat plate solar collector using pH treated Al ₂ O ₃ nanofluid. <i>Journal of Cleaner Production</i> , 2016 , 112, 3915-3926	10.3	100
171	Enhancing the performance of automotive radiators using nanofluids. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 112, 183-194	16.2	98
170	Thermophysical properties of Single Wall Carbon Nanotubes and its effect on exergy efficiency of a flat plate solar collector. <i>Solar Energy</i> , 2015 , 115, 757-769	6.8	97
169	A comprehensive review on minimum quantity lubrication (MQL) in machining processes using nano-cutting fluids. <i>International Journal of Advanced Manufacturing Technology</i> , 2019 , 105, 2057-2086	3.2	95
168	Review of fractional-order electrical characterization of supercapacitors. <i>Journal of Power Sources</i> , 2018 , 400, 457-467	8.9	92

167	A review on performance and environmental effects of conventional and nanofluid-based thermal photovoltaics. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 94, 302-316	16.2	88
166	Impact of dust on the performance of solar photovoltaic (PV) systems under United Arab Emirates weather conditions. <i>Renewable Energy</i> , 2019 , 141, 287-297	8.1	87
165	Analyzing entropy and thermal behavior of nanomaterial through solar collector involving new tapes. <i>International Communications in Heat and Mass Transfer</i> , 2021 , 123, 105190	5.8	86
164	Recent advances on nanofluids for low to medium temperature solar collectors: energy, exergy, economic analysis and environmental impact. <i>Progress in Energy and Combustion Science</i> , 2021 , 84, 100898	33.6	86
163	Optical properties of metal oxides based nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2014 , 59, 46-54	5.8	83
162	Mechanics analysis and predictive force models for the single-diamond grain grinding of carbon fiber reinforced polymers using CNT nano-lubricant. <i>Journal of Materials Processing Technology</i> , 2021 , 290, 116976	5.3	83
161	Recent advances on the fundamental physical phenomena behind stability, dynamic motion, thermophysical properties, heat transport, applications, and challenges of nanofluids. <i>Physics Reports</i> , 2021 , 946, 1-1	27.7	75
160	Heat transfer enhancement and life cycle analysis of a Shell-and-Tube Heat Exchanger using stable CuO/water nanofluid. <i>Sustainable Energy Technologies and Assessments</i> , 2019 , 31, 306-317	4.7	69
159	Stability, thermophysical and electrical properties of synthesized carbon nanofiber and reduced-graphene oxide-based nanofluids and their hybrid along with fuzzy modeling approach. <i>Powder Technology</i> , 2020 , 364, 795-809	5.2	67
158	Heat transfer, entropy generation, economic and environmental analyses of linear fresnel reflector using novel rGO-Co3O4 hybrid nanofluids. <i>Renewable Energy</i> , 2021 , 165, 420-437	8.1	67
157	Milling Force Model for Aviation Aluminum Alloy: Academic Insight and Perspective Analysis. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2021 , 34,	2.5	65
156	Valorization of spent coffee grounds into biofuels and value-added products: Pathway towards integrated bio-refinery. <i>Fuel</i> , 2019 , 254, 115640	7.1	61
155	Advances in fabrication of ceramic corundum abrasives based on sol-gel process. <i>Chinese Journal of Aeronautics</i> , 2021 , 34, 1-17	3.7	61
154	Acid-functionalized carbon nanofibers for high stability, thermoelectrical and electrochemical properties of nanofluids. <i>Journal of Colloid and Interface Science</i> , 2018 , 520, 50-57	9.3	58
153	Preparation, characterization, stability, and thermal conductivity of rGO-Fe3O4-TiO2 hybrid nanofluid: An experimental study. <i>Powder Technology</i> , 2020 , 372, 235-245	5.2	56
152	Radiative properties of nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2013 , 46, 74-84	5.8	56
151	Energy, exergy and economic analyses for the selection of working fluid and metal oxide nanofluids in a parabolic trough collector. <i>Solar Energy</i> , 2019 , 187, 175-184	6.8	55
150	A review study on the modeling of high-temperature solar thermal collector systems. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 112, 280-298	16.2	54

149	Fuzzy modeling and optimization for experimental thermophysical properties of water and ethylene glycol mixture for Al ₂ O ₃ and TiO ₂ based nanofluids. <i>Powder Technology</i> , 2019 , 353, 345-358	5.2	54
148	Thermophysical and optical properties of SWCNTs nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 78, 207-213	5.8	54
147	Spotlight on available optical properties and models of nanofluids: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 43, 750-762	16.2	48
146	A review on the application of hybrid nanofluids for parabolic trough collector: Recent progress and outlook. <i>Journal of Cleaner Production</i> , 2021 , 292, 126031	10.3	47
145	Performance assessment of linear Fresnel solar reflector using MWCNTs/DW nanofluids. <i>Renewable Energy</i> , 2020 , 151, 43-56	8.1	46
144	New thermophysical properties of water based TiO ₂ nanofluid—the hysteresis phenomenon revisited. <i>International Communications in Heat and Mass Transfer</i> , 2014 , 58, 85-95	5.8	45
143	Application based multi-objective performance optimization of a proton exchange membrane fuel cell. <i>Journal of Cleaner Production</i> , 2020 , 252, 119567	10.3	45
142	A review of industrial waste heat recovery system for power generation with Organic Rankine Cycle: Recent challenges and future outlook. <i>Journal of Cleaner Production</i> , 2021 , 287, 125070	10.3	45
141	A numerical simulation of a linear Fresnel solar reflector directed to produce steam for the power plant. <i>Journal of Cleaner Production</i> , 2019 , 231, 494-508	10.3	43
140	Evaluating the Optical Properties of TiO ₂ Nanofluid for a Direct Absorption Solar Collector. <i>Numerical Heat Transfer; Part A: Applications</i> , 2015 , 67, 1010-1027	2.3	43
139	Minimum quantity lubrication machining of aeronautical materials using carbon group nanolubricant: From mechanisms to application. <i>Chinese Journal of Aeronautics</i> , 2021 ,	3.7	42
138	Comparative analysis of liquid versus vapor-feed passive direct methanol fuel cells. <i>Renewable Energy</i> , 2019 , 131, 563-584	8.1	41
137	Cryogenic minimum quantity lubrication machining: from mechanism to application. <i>Frontiers of Mechanical Engineering</i> , 2021 , 16, 649-697	3.3	39
136	4S consideration (synthesis, sonication, surfactant, stability) for the thermal conductivity of CeO ₂ with MWCNT and water based hybrid nanofluid: An experimental assessment. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 610, 125918	5.1	37
135	Nano-enhanced biolubricant in sustainable manufacturing: From processability to mechanisms. <i>Friction</i> ,	5.6	36
134	Optimizing density, dynamic viscosity, thermal conductivity and specific heat of a hybrid nanofluid obtained experimentally via ANFIS-based model and modern optimization. <i>Journal of Molecular Liquids</i> , 2021 , 321, 114287	6	35
133	Experimental investigation of thermo-physical properties, heat transfer, pumping power, entropy generation, and exergy efficiency of nanodiamond-Fe ₃ O ₄ /60:40% water-ethylene glycol hybrid nanofluid flow in a tube. <i>Thermal Science and Engineering Progress</i> , 2021 , 21, 100799	3.6	34
132	On the thermal and thermodynamic analysis of parabolic trough collector technology using industrial-grade MWCNT based nanofluid. <i>Renewable Energy</i> , 2020 , 161, 1303-1317	8.1	32

131	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
130	Circulating purification of cutting fluid: an overview. <i>International Journal of Advanced Manufacturing Technology</i> , 2021 , 117, 1-36	3.2	32
129	A time variant investigation on optical properties of water based Al ₂ O ₃ nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2014 , 50, 108-116	5.8	31
128	Performance enhancement of a solar powered air conditioning system using passive techniques and SWCNT /R-407c nano refrigerant. <i>Case Studies in Thermal Engineering</i> , 2019 , 16, 100565	5.6	31
127	Performance evaluation of solar water heating system with heat pipe evacuated tubes provided with natural gas backup. <i>Energy Reports</i> , 2019 , 5, 1432-1444	4.6	30
126	Biological Stability of Water-Based Cutting Fluids: Progress and Application. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2022 , 35,	2.5	30
125	Semiempirical heat flux model of hard-brittle bone material in ductile microgrinding. <i>Journal of Manufacturing Processes</i> , 2021 , 71, 501-514	5	30
124	Standalone photovoltaic system assessment for major cities of United Arab Emirates based on simulated results. <i>Journal of Cleaner Production</i> , 2017 , 142, 2722-2729	10.3	29
123	Automatic defects detection in CFRP thermograms, using convolutional neural networks and transfer learning. <i>Infrared Physics and Technology</i> , 2019 , 102, 103048	2.7	27
122	Heat transfer analysis using zinc Ferrite/water (Hybrid) nanofluids in a circular tube: An experimental investigation and development of new correlations for thermophysical and heat transfer properties. <i>Sustainable Energy Technologies and Assessments</i> , 2020 , 39, 100720	4.7	27
121	Properties, heat transfer, energy efficiency and environmental emissions analysis of flat plate solar collector using nanodiamond nanofluids. <i>Diamond and Related Materials</i> , 2020 , 110, 108115	3.5	27
120	Evaluating energy efficiency and economic effect of heat transfer in copper tube for small solar linear Fresnel reflector. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 4197-4215	4.1	27
119	Predictions of UAER's renewable energy mix in 2030. <i>Renewable Energy</i> , 2018 , 118, 779-789	8.1	26
118	Combination of Co ₃ O ₄ deposited rGO hybrid nanofluids and longitudinal strip inserts: Thermal properties, heat transfer, friction factor, and thermal performance evaluations. <i>Thermal Science and Engineering Progress</i> , 2020 , 20, 100695	3.6	26
117	3S (Sonication, surfactant, stability) impact on the viscosity of hybrid nanofluid with different base fluids: An experimental study. <i>Journal of Molecular Liquids</i> , 2021 , 329, 115455	6	25
116	Experimental and numerical investigation on the thermal performance of triple tube heat exchanger equipped with different inserts with WO ₃ /water nanofluid under turbulent condition. <i>International Journal of Thermal Sciences</i> , 2021 , 164, 106861	4.1	25
115	Carbon fiber reinforced polymer in drilling: From damage mechanisms to suppression. <i>Composite Structures</i> , 2022 , 286, 115232	5.3	24
114	Grindability of carbon fiber reinforced polymer using CNT biological lubricant. <i>Scientific Reports</i> , 2021 , 11, 22535	4.9	24

113	Hydrothermal analysis for a parabolic solar unit with wavy absorber pipe and nanofluid. <i>Renewable Energy</i> , 2022 , 188, 922-932	8.1	24
112	Energy, efficiency, economic impact, and heat transfer aspects of solar flat plate collector with Al ₂ O ₃ nanofluids and wire coil with core rod inserts. <i>Sustainable Energy Technologies and Assessments</i> , 2020 , 40, 100772	4.7	23
111	4E (Energy, Exergy, Economic, and Environment) examination of a small LFR solar water heater: An experimental and numerical study. <i>Case Studies in Thermal Engineering</i> , 2021 , 27, 101277	5.6	23
110	Thermophysical properties using ND/water nanofluids: An experimental study, ANFIS-based model and optimization. <i>Journal of Molecular Liquids</i> , 2021 , 330, 115659	6	22
109	A systematic parametric thermal analysis of nanofluid-based parabolic trough solar collectors. <i>Sustainable Energy Technologies and Assessments</i> , 2020 , 39, 100714	4.7	21
108	Synthesis, stability, thermophysical properties and AI approach for predictive modelling of Fe ₃ O ₄ coated MWCNT hybrid nanofluids. <i>Journal of Molecular Liquids</i> , 2021 , 340, 117291	6	21
107	Lubrication-enhanced mechanisms of titanium alloy grinding using lecithin biolubricant. <i>Tribology International</i> , 2022 , 169, 107461	4.9	19
106	Recent advances on improved optical, thermal, and radiative characteristics of plasmonic nanofluids: Academic insights and perspectives. <i>Solar Energy Materials and Solar Cells</i> , 2021 , 236, 111504	6.4	19
105	Experimental investigation on thermo-hydraulic performance of water-based fly ash-Cu hybrid nanofluid flow in a pipe at various inlet fluid temperatures. <i>International Communications in Heat and Mass Transfer</i> , 2021 , 124, 105238	5.8	19
104	Concentrated photovoltaics as light harvesters: Outlook, recent progress, and challenges. <i>Sustainable Energy Technologies and Assessments</i> , 2021 , 46, 101199	4.7	18
103	Optical performance assessment of a small experimental prototype of linear Fresnel reflector. <i>Case Studies in Thermal Engineering</i> , 2019 , 16, 100541	5.6	17
102	DC and AC Performance of Graphite Films Supercapacitors Prepared by Contact Glow Discharge Electrolysis. <i>Journal of the Electrochemical Society</i> , 2017 , 164, A2539-A2546	3.9	17
101	Extreme pressure and antiwear additives for lubricant: academic insights and perspectives. <i>International Journal of Advanced Manufacturing Technology</i> , 1	3.2	17
100	Synthesis, stability, density, viscosity of ethylene glycol-based ternary hybrid nanofluids: Experimental investigations and model -prediction using modern machine learning techniques. <i>Powder Technology</i> , 2022 , 400, 117190	5.2	17
99	Energy, Financial, and Environmental Investigation of a Direct Steam Production Power Plant Driven by Linear Fresnel Solar Reflectors. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2021 , 143,	2.3	17
98	Characteristics of hydrogen production from steam gasification of plant-originated lignocellulosic biomass and its prospects in Vietnam. <i>International Journal of Hydrogen Energy</i> , 2021 ,	6.7	17
97	Heat Transfer and Second Law Analysis of Ethylene Glycol-Based Ternary Hybrid Nanofluid Under Laminar Flow. <i>Journal of Thermal Science and Engineering Applications</i> , 2021 , 13,	1.9	16
96	Experimental comparison of specific heat capacity of three different metal oxides with MWCNT/ water-based hybrid nanofluids: proposing a new correlation. <i>Applied Nanoscience (Switzerland)</i> , 2020 , 1	3.3	15

95	A comprehensive review analysis on advances of evacuated tube solar collector using nanofluids and PCM. <i>Sustainable Energy Technologies and Assessments</i> , 2021 , 47, 101417	4.7	15
94	Influence of texture shape and arrangement on nanofluid minimum quantity lubrication turning. <i>International Journal of Advanced Manufacturing Technology</i> ,1	3.2	14
93	Entropy generation and friction factor analysis of fly ash nanofluids flowing in a horizontal tube: Experimental and numerical study. <i>International Journal of Thermal Sciences</i> , 2021 , 166, 106972	4.1	14
92	Performance and life cycle analysis of a novel portable solar thermoelectric refrigerator. <i>Case Studies in Thermal Engineering</i> , 2020 , 19, 100599	5.6	13
91	Experimental investigation on the stability and density of TiO ₂ , Al ₂ O ₃ , SiO ₂ and TiSiO ₄ . <i>IOP Conference Series: Earth and Environmental Science</i> , 2013 , 16, 012002	0.3	13
90	Residual stress of grinding cemented carbide using MoS ₂ nano-lubricant. <i>International Journal of Advanced Manufacturing Technology</i> ,1	3.2	13
89	Fractional-order electric double-layer capacitors with tunable low-frequency impedance phase angle and energy storage capabilities. <i>Applied Physics Letters</i> , 2020 , 116, 013902	3.4	13
88	Influence of the geometrical parameters and particle concentration levels of hybrid nanofluid on the thermal performance of axial grooved heat pipe. <i>Thermal Science and Engineering Progress</i> , 2021 , 21, 100762	3.6	13
87	Exergy efficiency analysis of a flat plate solar collector using graphene based nanofluid. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 92, 012015	0.4	12
86	The effect of the baffle length on the natural convection in an enclosure filled with different nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 1	4.1	12
85	Investigation and optimization of a solar-assisted pumped thermal energy storage system with flat plate collectors. <i>Energy Conversion and Management</i> , 2021 , 237, 114137	10.6	12
84	On the performance of nanofluids in APR 1400 PLUS7 assembly: Neutronics. <i>Annals of Nuclear Energy</i> , 2020 , 144, 107508	1.7	11
83	Heat Transfer of rGO/CO ₃ O ₄ Hybrid Nanomaterial-Based Nanofluids and Twisted Tape Configurations in a Tube. <i>Journal of Thermal Science and Engineering Applications</i> , 2021 , 13,	1.9	11
82	Energy, exergy, economic and environmental (4E) analysis of a parabolic trough solar collector using MXene based silicone oil nanofluids. <i>Solar Energy Materials and Solar Cells</i> , 2022 , 239, 111633	6.4	11
81	Performance evaluation and life cycle analysis of new solar thermal absorption air conditioning system. <i>Energy Reports</i> , 2020 , 6, 673-679	4.6	10
80	An up-to-date review on evacuated tube solar collectors. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 145, 2873-2889	4.1	10
79	Rheological behaviour and the hysteresis phenomenon of Al ₂ O ₃ nanofluids. <i>Materials Research Innovations</i> , 2014 , 18, S6-47-S6-50	1.9	8
78	Cutting fluid corrosion inhibitors from inorganic to organic: Progress and applications. <i>Korean Journal of Chemical Engineering</i> ,1	2.8	8

77	Band-Pass Filter and Relaxation Oscillator using Electric Double-Layer Capacitor. <i>ChemElectroChem</i> , 2018 , 5, 3793-3798	4-3	8
76	Impact of reducing agents on the ammonia sensing performance of silver decorated reduced graphene oxide: Experiment and first principles calculations. <i>Applied Surface Science</i> , 2021 , 558, 149886	6-7	8
75	Thermophysical Properties of Metal Oxides Nanofluids 2017 ,		7
74	Recent advancements in latent heat phase change materials and their applications for thermal energy storage and buildings: A state of the art review. <i>Sustainable Energy Technologies and Assessments</i> , 2022 , 49, 101646	4-7	7
73	Numerical investigation of natural convection on Al ₂ O ₃ /water porous enclosure partially heated with two fins attached to its hot wall: under the MHD effects. <i>Applied Nanoscience (Switzerland)</i> ,1	3-3	7
72	Experimental investigation on thermal conductivity of fly ash nanofluid and fly ash-Cu hybrid nanofluid: prediction and optimization via ANN and MGGP model. <i>Particulate Science and Technology</i> ,1-14	2	7
71	Estimating the density of hybrid nanofluids for thermal energy application: Application of non-parametric and evolutionary polynomial regression data-intelligent techniques. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021 , 110524	4.6	6
70	Energy, exergy, exergoeconomic, and exergoenvironmental analysis of an innovative solar-geothermal-gas driven polygeneration system for combined power, hydrogen, hot water, and freshwater production. <i>Sustainable Energy Technologies and Assessments</i> , 2022 , 51, 101861	4-7	6
69	Thermophysical properties of water, water and ethylene glycol mixture-based nanodiamond+Fe ₃ O ₄ hybrid nanofluids: An experimental assessment and application of data-driven approaches. <i>Journal of Molecular Liquids</i> , 2021 , 117944	6	6
68	Central versus off-grid photovoltaic system, the optimum option for the domestic sector based on techno-economic-environmental assessment for United Arab Emirates. <i>Sustainable Energy Technologies and Assessments</i> , 2021 , 43, 100944	4-7	6
67	Parametric study of geothermal parallel flow double-effect water-LiBr absorption chiller 2019 ,		5
66	An experimental study of the impact of cool roof on solar PV electricity generations on building rooftops in Sharjah, UAE. <i>International Journal of Low-Carbon Technologies</i> , 2019 , 14, 267-276	2.8	5
65	Modulating the energy storage of supercapacitors by mixing close-to-ideal and far-from-ideal capacitive carbon nanofibers. <i>Electrochimica Acta</i> , 2019 , 301, 465-471	6.7	5
64	Frequency-Dependent Effective Capacitance of Supercapacitors Using Electrospun Cobalt-Carbon Composite Nanofibers. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A2403-A2408	3-9	5
63	Influence of longitudinal fin arrangement on the melting and solidification inside the triplex tube latent heat thermal storage system. <i>Journal of Energy Storage</i> , 2022 , 46, 103778	7.8	5
62	Properties of water-based fly ash-copper hybrid nanofluid for solar energy applications: Application of RBF model. <i>Solar Energy Materials and Solar Cells</i> , 2022 , 234, 111423	6.4	5
61	EFFECT OF CORE-ROD DIAMETER ON WIRE COIL INSERTS FOR HEAT TRANSFER AND FRICTION FACTOR OF HIGH-PRANDTL NUMBER MAGNETIC Fe ₃ O ₄ NANOFUIDS INA FULLY DEVELOPED LAMINAR FLOW. <i>Heat Transfer Research</i> , 2021 , 52, 49-75	3.9	5
60	HEAT TRANSFER, ENERGY, AND EXERGY EFFICIENCY ENHANCEMENT OF NANODIAMOND/WATER NANOFUIDS CIRCULATE IN A FLAT PLATE SOLAR COLLECTOR. <i>Journal of Enhanced Heat Transfer</i> , 2021 , 28, 57-99	1.7	5

59	Exploring the Exhaust Emission and Efficiency of Algal Biodiesel Powered Compression Ignition Engine: Application of BoxBehnken and Desirability Based Multi-Objective Response Surface Methodology. <i>Energies</i> , 2021 , 14, 5968	3.1	5
58	Performance characterization of a solar-powered shell and tube heat exchanger utilizing MWCNTs/Water-based nanofluids: An experimental, Numerical, and Artificial Intelligence approach. <i>Applied Thermal Engineering</i> , 2022 , 118633	5.8	5
57	Using response surface methodology approach for optimizing performance and emission parameters of diesel engine powered with ternary blend of Solketal-biodiesel-diesel. <i>Sustainable Energy Technologies and Assessments</i> , 2022 , 52, 102343	4.7	5
56	Dataset on fuzzy logic based-modelling and optimization of thermophysical properties of nanofluid mixture. <i>Data in Brief</i> , 2019 , 26, 104547	1.2	4
55	Depth Estimation for a Mobile Platform Using Monocular Vision. <i>Procedia Engineering</i> , 2012 , 41, 945-950		4
54	Recent advances on the applications of phase change materials for solar collectors, practical limitations, and challenges: A critical review. <i>Journal of Energy Storage</i> , 2022 , 49, 104186	7.8	4
53	Nano-enhanced organic form stable PCMs for medium temperature solar thermal energy harvesting: Recent progresses, challenges, and opportunities. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 161, 112321	16.2	4
52	Comparative evaluation of AI -based intelligent GEP and ANFIS models in prediction of thermophysical properties of Fe ₃ O ₄ -coated MWCNT hybrid nanofluids for potential application in energy systems. <i>International Journal of Energy Research</i> ,	4.5	4
51	Application of novel framework based on ensemble boosted regression trees and Gaussian process regression in modelling thermal performance of small-scale organic rankine cycle using hybrid nanofluid. <i>Journal of Cleaner Production</i> , 2022 , 132194	10.3	4
50	Up-to-date literature review on Solar PV systems: Technology progress, market status and R&D. <i>Journal of Cleaner Production</i> , 2022 , 132339	10.3	4
49	Thermodynamic analysis of geothermal series flow double-effect water/LiBr absorption chiller 2019 ,		3
48	. <i>IEEE Access</i> , 2020 , 8, 45964-45973	3.5	3
47	Nano-enhanced PCM for energy storage 2019 ,		3
46	Oriented square shaped pin-fin heat sink: Performance evaluation employing mixture based on ethylene glycol/water graphene oxide nanofluid. <i>Applied Thermal Engineering</i> , 2022 , 206, 118085	5.8	3
45	Solar organic Rankine cycle and its poly-generation applications [A review. <i>Sustainable Energy Technologies and Assessments</i> , 2022 , 49, 101732	4.7	3
44	Recent advances on the role of nanomaterials for improving the performance of photovoltaic thermal systems: Trends, challenges and prospective. <i>Nano Energy</i> , 2022 , 93, 106834	17.1	3
43	An integrated numerical study for using minimum quantity lubrication (MQL) when machining austempered ductile iron (ADI). <i>International Journal on Interactive Design and Manufacturing</i> , 2020 , 14, 747-758	1.9	3
42	Solar-driven water pump with organic Rankine cycle for pressurized irrigation systems: A case study. <i>Thermal Science and Engineering Progress</i> , 2021 , 25, 100960	3.6	3

41	Experimental analysis of novel ionic liquid-MXene hybrid nanofluid's energy storage properties: Model-prediction using modern ensemble machine learning methods. <i>Journal of Energy Storage</i> , 2022 , 52, 104858	7.8	3
40	Simulation of Anaerobic Co-Digestion Process for the Biogas Production using ASPEN PLUS 2019 ,		2
39	Applicability of Alumina Nanofluid in Direct Absorption Solar Collectors. <i>Applied Mechanics and Materials</i> , 2014 , 699, 366-371	0.3	2
38	Copper Oxide Nanorod/Reduced Graphene Oxide Composites for NH ₃ Sensing. <i>ACS Applied Nano Materials</i> ,	5.6	2
37	Techno-economic performance assessment of central-grid wind turbines at major geographical locations of Pakistan. <i>Journal of Energy Systems</i> , 2017 , 1, 43-55	0.8	2
36	Influence of dynamics viscosity on the water base CNTs nanofluid flow over a stretching surface. <i>Cogent Engineering</i> , 2020 , 7, 1772945	1.5	2
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34	Numerical study on the thermo-hydraulic performance analysis of fly ash nanofluid. <i>Journal of Thermal Analysis and Calorimetry</i> ,1	4.1	2
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