

Zafar Said

List of Publications by Year in Descending Order

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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.

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	Theoretical analysis and correlations for predicting properties of hybrid nanofluids 2022 , 149-170		1
183	Radiative transport of hybrid nanofluid 2022 , 131-147		
182	Numerical and Experimental Investigation on Enhancing Thermal Conductivity of Paraffin Wax with Expanded Graphene in Battery Thermal Management System. <i>International Journal of Environmental Research</i> , 2022 , 16, 1	2.9	0
181	Preparation and stability of hybrid nanofluids 2022 , 33-64		
180	Rheological behavior of hybrid nanofluids 2022 , 111-129		
179	Thermophysical, electrical, magnetic, and dielectric properties of hybrid nanofluids 2022 , 65-92		
178	Introduction to hybrid nanofluids 2022 , 1-32		
177	Challenges and difficulties in developing hybrid nanofluids and way forward 2022 , 233-259		0
176	Brief overview of the applications of hybrid nanofluids 2022 , 171-202		
175	Recent advances in the prediction of thermophysical properties of nanofluids using artificial intelligence 2022 , 203-232		0
174	Biological Stability of Water-Based Cutting Fluids: Progress and Application. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2022 , 35,	2.5	30
173	Hydrothermal properties of hybrid nanofluids 2022 , 93-109		0
172	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
171	Carbon fiber reinforced polymer in drilling: From damage mechanisms to suppression. <i>Composite Structures</i> , 2022 , 286, 115232	5.3	24
170	Lubrication-enhanced mechanisms of titanium alloy grinding using lecithin biolubricant. <i>Tribology International</i> , 2022 , 169, 107461	4.9	19
169	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
168	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

167	Solar organic Rankine cycle and its poly-generation applications [A review]. <i>Sustainable Energy Technologies and Assessments</i> , 2022 , 49, 101732	4.7	3
166	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
165	4E (energy, exergy, economic and environmental) investigation of LFR using MXene based silicone oil nanofluids. <i>Sustainable Energy Technologies and Assessments</i> , 2022 , 49, 101715	4.7	1
164	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
163	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
162	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
161	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
160	The Influence of Forced Convective Heat Transfer on Hybrid Nanofluid Flow in a Heat Exchanger with Elliptical Corrugated Tubes: Numerical Analyses and Optimization. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 2780	2.6	1
159	Hydrothermal analysis for a parabolic solar unit with wavy absorber pipe and nanofluid. <i>Renewable Energy</i> , 2022 , 188, 922-932	8.1	24
158	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
157	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
156	Recent advances on the evacuated tube solar collector scrutinizing latest innovations in thermal performance improvement involving economic and environmental analysis. <i>Solar Energy Materials and Solar Cells</i> , 2022 , 241, 111733	6.4	2
155	Nanofluids as coolants 2022 , 713-735		
154	Automotive coolants 2022 , 773-792		
153	Impact of sonication durations on thermophysical properties, contact angle and surface tension of f-MWCNTs nanofluid for heat transfer. <i>Journal of Molecular Liquids</i> , 2022 , 119164	6	1
152	Experimental performance evaluation of closed loop mist/fog cooling system for photovoltaic module application. <i>Energy Conversion and Management: X</i> , 2022 , 14, 100226	2.5	
151	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
150	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

149	Experimental investigations on modified thermosyphons using R134a/Al ₂ O ₃ and comparative machine learning analysis. <i>Applied Thermal Engineering</i> , 2022 , 212, 118554	5.8	0
148	Production of HMF and DMF biofuel from carbohydrates through catalytic pathways as a sustainable strategy for the future energy sector. <i>Fuel</i> , 2022 , 324, 124474	7.1	2
147	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
146	Influence of hot water blanching and saline immersion period on the thermal effusivity and the drying kinetics of hybrid solar drying of sweet potato chips. <i>Solar Energy</i> , 2022 , 240, 176-192	6.8	1
145	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
144	Synthesis, characterization, and measurement techniques for the thermophysical properties of nanofluids 2022 , 59-93		0
143	Recent advances in machine learning research for nanofluid heat transfer in renewable energy 2022 , 203-228		0
142	Fabrication of shape-stabilized phase change materials based on waste plastics for energy storage. <i>Journal of Energy Storage</i> , 2022 , 52, 104973	7.8	2
141	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
140	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
139	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
138	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
137	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
136	Grindability of carbon fiber reinforced polymer using CNT biological lubricant. <i>Scientific Reports</i> , 2021 , 11, 22535	4.9	24
135	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
134	Semiempirical heat flux model of hard-brittle bone material in ductile microgrinding. <i>Journal of Manufacturing Processes</i> , 2021 , 71, 501-514	5	30
133	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
132	Cryogenic minimum quantity lubrication machining: from mechanism to application. <i>Frontiers of Mechanical Engineering</i> , 2021 , 16, 649-697	3.3	39

131	Differential parameters uncertainty estimation via a PCA-based monte carlo sampling approach: IRT-4M fuel type as a case study. <i>Journal of Nuclear Science and Technology</i> , 2021 , 58, 984-991	1	
130	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
129	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
128	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
127	Cogeneration system driven by solar dish concentrators. <i>Environmental Progress and Sustainable Energy</i> , 2021 , 40, e13644	2.5	1
126	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
125	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
124	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
123	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
122	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
121	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
120	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
119	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
118	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
117	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
116	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
115	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
114	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

113	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
112	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
111	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
110	Heat transfer, entropy generation, economic and environmental analyses of linear fresnel reflector using novel rGO-Co ₃ O ₄ hybrid nanofluids. <i>Renewable Energy</i> , 2021 , 165, 420-437	8.1	67
109	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
108	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
107	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
106	EFFECT OF CORE-ROD DIAMETER ON WIRE COIL INSERTS FOR HEAT TRANSFER AND FRICTION FACTOR OF HIGH-PRANDTL NUMBER MAGNETIC Fe ₃ O ₄ NANOFLUIDS INA FULLY DEVELOPED LAMINAR FLOW. <i>Heat Transfer Research</i> , 2021 , 52, 49-75	3.9	5
105	HEAT TRANSFER, ENERGY, AND EXERGY EFFICIENCY ENHANCEMENT OF NANODIAMOND/WATER NANOFLUIDS CIRCULATE IN A FLAT PLATE SOLAR COLLECTOR. <i>Journal of Enhanced Heat Transfer</i> , 2021 , 28, 57-99	1.7	5
104	ENERGY, ECONOMIC, ENVIRONMENTAL AND HEAT TRANSFER ANALYSIS OF A SOLAR FLAT-PLATE COLLECTOR WITH pH-TREATED Fe ₃ O ₄ /WATER NANOFLUID. <i>International Journal of Energy for A Clean Environment</i> , 2021 , 22, 55-98	1.5	2
103	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
102	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
101	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
100	Circulating purification of cutting fluid: an overview. <i>International Journal of Advanced Manufacturing Technology</i> , 2021 , 117, 1-36	3.2	32
99	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
98	Concentrated photovoltaics as light harvesters: Outlook, recent progress, and challenges. <i>Sustainable Energy Technologies and Assessments</i> , 2021 , 46, 101199	4.7	18
97	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
96	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

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	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
93	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
92	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
91	Experimental investigation of thermal performance characteristics of sintered copper wicked and grooved heat pipes: A comparative study. <i>Journal of Central South University</i> , 2021 , 28, 3507-3520	2.1	2
90	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
89	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
88	Preparation, characterization, stability, and thermal conductivity of rGO-Fe ₃ O ₄ -TiO ₂ hybrid nanofluid: An experimental study. <i>Powder Technology</i> , 2020 , 372, 235-245	5.2	56
87	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
86	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
85	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
84	. <i>IEEE Access</i> , 2020 , 8, 45964-45973	3.5	3
83	On the performance of nanofluids in APR 1400 PLUS7 assembly: Neutronics. <i>Annals of Nuclear Energy</i> , 2020 , 144, 107508	1.7	11
82	Review of Recent Progress in Wastewater Treatment Using Carbon Nanotubes. <i>Current Analytical Chemistry</i> , 2020 , 17, 23-30	1.7	1
81	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
80	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
79	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
78	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

77	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
76	Vegetable oil-based nanofluid minimum quantity lubrication turning: Academic review and perspectives. <i>Journal of Manufacturing Processes</i> , 2020 , 59, 76-97	5	110
75	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
74	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
73	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
72	Design and simulation of air-solar-finned reheating unit: An innovative design of a parabolic trough solar collector. <i>Cogent Engineering</i> , 2020 , 7, 1793453	1.5	0
71	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
70	Performance assessment of linear Fresnel solar reflector using MWCNTs/DW nanofluids. <i>Renewable Energy</i> , 2020 , 151, 43-56	8.1	46
69	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
68	Thermodynamic analysis of geothermal series flow double-effect water/LiBr absorption chiller 2019 ,		3
67	Parametric study of geothermal parallel flow double-effect water-LiBr absorption chiller 2019 ,		5
66	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
65	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
64	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
63	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
62	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
61	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
60	Enhancing the performance of automotive radiators using nanofluids. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 112, 183-194	16.2	98

59	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
58	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
57	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
56	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
55	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
54	Comparative analysis of liquid versus vapor-feed passive direct methanol fuel cells. <i>Renewable Energy</i> , 2019 , 131, 563-584	8.1	41
53	Simulation of Anaerobic Co-Digestion Process for the Biogas Production using ASPEN PLUS 2019 ,		2
52	Nano-enhanced PCM for energy storage 2019 ,		3
51	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
50	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
49	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
48	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
47	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
46	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
45	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
44	Review of fractional-order electrical characterization of supercapacitors. <i>Journal of Power Sources</i> , 2018 , 400, 457-467	8.9	92
43	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
42	The use of nanofluids in solar concentrating technologies: A comprehensive review. <i>Journal of Cleaner Production</i> , 2018 , 196, 84-99	10.3	120

41	Predictions of UAERs renewable energy mix in 2030. <i>Renewable Energy</i> , 2018 , 118, 779-789	8.1	26
40	Band-Pass Filter and Relaxation Oscillator using Electric Double-Layer Capacitor. <i>ChemElectroChem</i> , 2018 , 5, 3793-3798	4.3	8
39	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
38	A Taguchi Design of Experiment Approach to Pulse and Lock in Thermography, Applied to CFRP Composites. <i>Journal of Nondestructive Evaluation</i> , 2017 , 36, 1	2.1	1
37	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
36	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
35	Thermophysical Properties of Metal Oxides Nanofluids 2017 ,		7
34	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
33	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
32	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
31	Thermophysical and optical properties of SWCNTs nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 78, 207-213	5.8	54
30	The Calibration and Sensitivity Aspects of a Self-Referencing Routine When Applied to Composites Inspection: Using a Pulsed Thermographic Setup. <i>Journal of Nondestructive Evaluation</i> , 2016 , 35, 1	2.1	
29	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
28	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
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21	Applicability of Alumina Nanofluid in Direct Absorption Solar Collectors. <i>Applied Mechanics and Materials</i> , 2014 , 699, 366-371	0.3	2
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