

# Hafiz Muhammad Ali

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/2043753/hafiz-muhammad-ali-publications-by-year.pdf>

**Version:** 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

284  
papers

9,346  
citations

51  
h-index

85  
g-index

304  
ext. papers

13,246  
ext. citations

4.4  
avg, IF

7.84  
L-index

#	Paper	IF	Citations
284	Investigation of Condensate Retention on Horizontal Pin-Fin Tubes Using Water-Propanol Mixture. <i>Sustainability</i> , <b>2022</b> , 14, 835	3.6	0
283	Heat Transfer Enhancement in Parabolic through Solar Receiver: A Three-Dimensional Numerical Investigation.. <i>Nanomaterials</i> , <b>2022</b> , 12,	5.4	6
282	Review of micro and mini channels, porous heat sinks with hydrophobic surfaces for single phase fluid flow. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2022</b> , 104186	5.3	2
281	Nanofluids. <i>Fluid Mechanics and Its Applications</i> , <b>2022</b> , 1-28	0.2	
280	Applications of Miniature Heat Sink. <i>Fluid Mechanics and Its Applications</i> , <b>2022</b> , 83-97	0.2	
279	Biological Stability of Water-Based Cutting Fluids: Progress and Application. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , <b>2022</b> , 35,	2.5	30
278	Oriented square shaped pin-fin heat sink: Performance evaluation employing mixture based on ethylene glycol/water graphene oxide nanofluid. <i>Applied Thermal Engineering</i> , <b>2022</b> , 206, 118085	5.8	3
277	Carbon fiber reinforced polymer in drilling: From damage mechanisms to suppression. <i>Composite Structures</i> , <b>2022</b> , 286, 115232	5.3	24
276	Experimental investigation on the performance of RT-44HC-nickel foam-based heat sinks for thermal management of electronic gadgets. <i>International Journal of Heat and Mass Transfer</i> , <b>2022</b> , 188, 122591	4.9	4
275	Potential evaluation of water-based ferric oxide (Fe <sub>2</sub> O <sub>3</sub> -water) nanocoolant: An experimental study. <i>Energy</i> , <b>2022</b> , 123441	7.9	0
274	Role of phase change materials thickness for photovoltaic thermal management. <i>Sustainable Energy Technologies and Assessments</i> , <b>2022</b> , 49, 101719	4.7	2
273	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> , <b>2022</b> , 49, 101646	4.7	7
272	A novel thermal regulation of photovoltaic panels through phase change materials with metallic foam-based system and a concise comparison: An experimental study. <i>Sustainable Energy Technologies and Assessments</i> , <b>2022</b> , 49, 101726	4.7	3
271	Flow Characteristics of Nanofluids in Heat Sinks. <i>Fluid Mechanics and Its Applications</i> , <b>2022</b> , 29-44	0.2	
270	Personal thermal management - A review on strategies, progress, and prospects. <i>International Communications in Heat and Mass Transfer</i> , <b>2022</b> , 130, 105739	5.8	6
269	A critical analysis on the energy and exergy performance of photovoltaic/thermal (PV/T) system: The role of nanofluids stability and synthesizing method. <i>Sustainable Energy Technologies and Assessments</i> , <b>2022</b> , 51, 101887	4.7	7
268	A Review on Factors Influencing the Mismatch Losses in Solar Photovoltaic System. <i>International Journal of Photoenergy</i> , <b>2022</b> , 2022, 1-27	2.1	1

267	Selecting efficient side of thermoelectric in pyramid-shape solar desalination units incorporated phase change material (PCM), nanoparticle, turbulator with battery storage powered by photovoltaic. <i>Journal of Energy Storage</i> , <b>2022</b> , 51, 104448	7.8	5
266	Heat transfer augmentation of porous media (metallic foam) and phase change material based heat sink with variable heat generations: An experimental evaluation. <i>Sustainable Energy Technologies and Assessments</i> , <b>2022</b> , 52, 102218	4.7	0
265	Ionic nanofluids: preparation, characteristics, heat transfer mechanism, and thermal applications <b>2022</b> , 503-536		
264	Utilization of nanofluids (mono and hybrid) in parabolic trough solar collector: a comparative analysis <b>2022</b> , 375-402		
263	Hybrid nanofluids towards advancement in nanofluids for heat sink <b>2022</b> , 537-556		
262	On Thermal Distribution for Darcy-Borchheimer Flow of Maxwell Sutterby Nanofluids over a Radiated Extending Surface. <i>Nanomaterials</i> , <b>2022</b> , 12, 1834	5.4	1
261	Computational Analysis for Bioconvection of Microorganisms in Prandtl Nanofluid Darcy-Borchheimer Flow across an Inclined Sheet. <i>Nanomaterials</i> , <b>2022</b> , 12, 1791	5.4	1
260	Phase change materials based thermal energy storage for solar energy systems in buildings. <i>Journal of Building Engineering</i> , <b>2022</b> , 104731	5.2	0
259	Liquid-to-vapor phase change heat transfer evaluation and parameter sensitivity analysis of nanoporous surface coatings. <i>International Journal of Heat and Mass Transfer</i> , <b>2022</b> , 194, 123088	4.9	4
258	The effect of soot accumulation and backpressure of an integrated after-treatment system on diesel engine performance. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 1	4.1	2
257	Semiempirical heat flux model of hard-brittle bone material in ductile microgrinding. <i>Journal of Manufacturing Processes</i> , <b>2021</b> , 71, 501-514	5	30
256	Potential evaluation of hybrid nanofluids for solar thermal energy harvesting: A review of recent advances. <i>Sustainable Energy Technologies and Assessments</i> , <b>2021</b> , 48, 101651	4.7	3
255	Characteristics and Photovoltaic Applications of Au-Doped ZnO-Sm Nanoparticle Films. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	9
254	MXene based advanced materials for thermal energy storage: A recent review. <i>Journal of Energy Storage</i> , <b>2021</b> , 35, 102322	7.8	28
253	Temperature of Grinding Carbide With Castor Oil-Based MoS <sub>2</sub> Nanofluid Minimum Quantity Lubrication. <i>Journal of Thermal Science and Engineering Applications</i> , <b>2021</b> , 13,	1.9	54
252	A review of recent advances in indirect evaporative cooling technology. <i>International Communications in Heat and Mass Transfer</i> , <b>2021</b> , 122, 105140	5.8	24
251	Heat dissipation in bituminous asphalt catalyzed by different metallic oxide nanopowders. <i>Construction and Building Materials</i> , <b>2021</b> , 276, 122220	6.7	18
250	Techno Economic Evaluation and Feasibility Analysis of a Hybrid Net Zero Energy Building in Pakistan: A Case Study of Hospital. <i>Frontiers in Energy Research</i> , <b>2021</b> , 9,	3.8	2

249	Heat transfer in steady slip flow of tangent hyperbolic fluid over the lubricated surface of a stretchable rotatory disk. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 24, 100825	5.6	10
248	Comparative Overview of the Performance of Cementitious and Non-Cementitious Nanomaterials in Mortar at Normal and Elevated Temperatures. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	5
247	The effect of using connecting holes on heat transfer and entropy generation behaviors in a micro channels heat sink cooled with biological silver/water nanofluid. <i>International Communications in Heat and Mass Transfer</i> , <b>2021</b> , 123, 104929	5.8	13
246	Numerical Treatment for Dynamics of Second Law Analysis and Magnetic Induction Effects on Ciliary Induced Peristaltic Transport of Hybrid Nanomaterial. <i>Frontiers in Physics</i> , <b>2021</b> , 9,	3.9	15
245	Numerical Performance Investigation of Parabolic Dish Solar-Assisted Cogeneration Plant Using Different Heat Transfer Fluids. <i>International Journal of Photoenergy</i> , <b>2021</b> , 2021, 1-15	2.1	3
244	Influence of Narrow Rectangular Channel ( AR = 1 : 4 ) on Heat Transfer and Friction for V- and W-Shaped Ribs in Turbine Blade Applications. <i>International Journal of Photoenergy</i> , <b>2021</b> , 2021, 1-13	2.1	1
243	Recent progress on water vapor adsorption equilibrium by metal-organic frameworks for heat transformation applications. <i>International Communications in Heat and Mass Transfer</i> , <b>2021</b> , 124, 105242	5.8	12
242	Evaluation of photovoltaic panels using different nano phase change material and a concise comparison: An experimental study. <i>Renewable Energy</i> , <b>2021</b> , 169, 1265-1279	8.1	30
241	Experimental investigation on the thermal performance of inserted helical tube three-fluid heat exchanger using graphene/water nanofluid. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 1	4.1	2
240	Renewable Portfolio Standard Development Assessment in the Kingdom of Saudi Arabia from the Perspective of Policy Networks Theory. <i>Processes</i> , <b>2021</b> , 9, 1123	2.9	5
239	Improvement of Heat Pipe Solar Collector Thermal Efficiency Using Al <sub>2</sub> O <sub>3</sub> /Water and TiO <sub>2</sub> /Water Nanofluids. <i>International Journal of Photoenergy</i> , <b>2021</b> , 2021, 1-13	2.1	1
238	Solution Processed ZnSmCuO Nanorod Arrays for Dye Sensitized Solar Cells. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	5
237	Recent advances on the fundamental physical phenomena behind stability, dynamic motion, thermophysical properties, heat transport, applications, and challenges of nanofluids. <i>Physics Reports</i> , <b>2021</b> , 946, 1-1	27.7	75
236	Thermal performance of additively manufactured polymer lattices. <i>Journal of Building Engineering</i> , <b>2021</b> , 39, 102243	5.2	14
235	Galerkin finite element analysis of thermal aspects of Fe <sub>3</sub> O <sub>4</sub> -MWCNT/water hybrid nanofluid filled in wavy enclosure with uniform magnetic field effect. <i>International Communications in Heat and Mass Transfer</i> , <b>2021</b> , 126, 105461	5.8	37
234	Magneto hydrodynamic nonlinear thermal convection nanofluid flow over a radiated porous rotating disk with internal heating. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 143, 1973-1984	4.1	21
233	Effect of dual flow arrangements on the performance of mini-channel heat sink: numerical study. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 143, 2011-2027	4.1	5
232	Effect of milling material on characteristics and reactivity of mechanically treated fly ash to produce PCDD/F. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 143, 2707-2716	4.1	1

231	Experimental investigation on the effectiveness of MHTHS using different metal oxide-based nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 143, 1251-1260	4.1	14
230	Heat pipes: progress in thermal performance enhancement for microelectronics. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 143, 2227-2243	4.1	20
229	Hydro-thermal performance of normal-channel facile heat sink using TiO <sub>2</sub> -H <sub>2</sub> O mixture (Rutile/Anatase) nanofluids for microprocessor cooling. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 145, 2487-2502	4.1	21
228	Mixed convection heat transfer of AL <sub>2</sub> O <sub>3</sub> nanofluid in a horizontal channel subjected with two heat sources. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 143, 2761-2774	4.1	19
227	Analysis of heat pipe-aided graphene-oxide based nanoparticle-enhanced phase change material heat sink for passive cooling of electronic components. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 146, 277-286	4.1	16
226	Heat and mass transfer phenomenon for the dynamics of Casson fluid through porous medium over shrinking wall subject to Lorentz force and heat source/sink. <i>AEJ - Alexandria Engineering Journal</i> , <b>2021</b> , 60, 1355-1363	6.1	36
225	Convective Heat Transfer Coefficient Model Under Nanofluid Minimum Quantity Lubrication Coupled with Cryogenic Air Grinding Ti <sub>6</sub> Al <sub>4</sub> V. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , <b>2021</b> , 8, 1113-1135	3.8	44
224	Advances in fabrication of ceramic corundum abrasives based on sol-gel process. <i>Chinese Journal of Aeronautics</i> , <b>2021</b> , 34, 1-17	3.7	61
223	Numerical study of forced convection heat transfer across a cylinder with various cross sections. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 143, 2039-2052	4.1	7
222	Hybrid nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 143, 853-857	4.1	1
221	Laminar forced convection heat transfer of nanofluids inside non-circular ducts: A review. <i>Powder Technology</i> , <b>2021</b> , 378, 808-830	5.2	14
220	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> , <b>2021</b> , 321, 114287	6	35
219	Efficiency analysis of thermosyphon solar flat plate collector with low mass concentrations of ND <sub>2</sub> O <sub>3</sub> O <sub>4</sub> hybrid nanofluids: an experimental study. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 143, 959-972	4.1	12
218	Analysis of homogeneous/heterogeneous reactions in a micropolar nanofluid past a nonlinear stretching surface: semi-analytical approach. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 144, 2247-2257	4.1	12
217	Experimental Research on Heat Transfer Performance in MQL Grinding With Different Nanofluids <b>2021</b> , 1031-1051		
216	Enhanced Heat Transfer Mechanism of Nanofluids Minimum Lubrication Grinding <b>2021</b> , 928-950		
215	Advanced Thermal Energy Storage Materials <b>2021</b> , 31-69		
214	Thermal Energy Storage System <b>2021</b> , 13-30		

213	Experimental Evaluation on Tribological Performance of the Wheel/Workpiece Interface in NMQL Grinding With Different Concentrations of Al <sub>2</sub> O <sub>3</sub> Nanofluids <b>2021</b> , 1608-1627		
212	Thermophysical Properties of Advanced Energy Storage Materials <b>2021</b> , 71-78		
211	Upgrading of the Performance of an Air-to-Air Heat Exchanger Using Graphene/Water Nanofluid. <i>International Journal of Thermophysics</i> , <b>2021</b> , 42, 1	2.1	21
210	Energy Storage Materials in Thermal Storage Applications <b>2021</b> , 79-117		0
209	Energy harvesting: role of hybrid nanofluids <b>2021</b> , 173-211		1
208	Numerical investigation of the effect of corrugation profile on the hydrothermal characteristics and entropy generation behavior of laminar forced convection of non-Newtonian water/CMC-CuO nanofluid flow inside a wavy channel. <i>International Communications in Heat and Mass Transfer</i> , <b>2021</b> , 48, 105117	5.8	22
207	A deep learning method for estimating the boiling heat transfer coefficient of porous surfaces. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 145, 1911-1923	4.1	7
206	Milling Force Model for Aviation Aluminum Alloy: Academic Insight and Perspective Analysis. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , <b>2021</b> , 34,	2.5	65
205	A critical review on thermophysical and electrochemical properties of Ionanofluids (nanoparticles dispersed in ionic liquids) and their applications. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2021</b> , 124, 391-423	5.3	12
204	Towards convective heat transfer optimization in aluminum tube automotive radiators: Potential assessment of novel Fe <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> /water hybrid nanofluid. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2021</b> , 124, 424-436	5.3	28
203	Comprehensive study concerned graphene nano-sheets dispersed in ethylene glycol: Experimental study and theoretical prediction of thermal conductivity. <i>Powder Technology</i> , <b>2021</b> , 386, 51-59	5.2	37
202	Experimental investigations of the performance of a flat-plate solar collector using carbon and metal oxides based nanofluids. <i>Energy</i> , <b>2021</b> , 227, 120452	7.9	46
201	Enhanced pool boiling of dielectric and highly wetting liquids [A review on surface engineering. <i>Applied Thermal Engineering</i> , <b>2021</b> , 195, 117074	5.8	14
200	Numerical evaluation of separation efficiency in the diverging T-junction for slug flow. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2021</b> , ahead-of-print,	4.5	2
199	Effect of Ag, Au, TiO <sub>2</sub> metallic/metal oxide nanoparticles in double-slope solar stills via thermodynamic and environmental analysis. <i>Journal of Cleaner Production</i> , <b>2021</b> , 311, 127689	10.3	29
198	Circulating purification of cutting fluid: an overview. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2021</b> , 117, 1-36	3.2	32
197	Concentrated photovoltaics as light harvesters: Outlook, recent progress, and challenges. <i>Sustainable Energy Technologies and Assessments</i> , <b>2021</b> , 46, 101199	4.7	18
196	The effect of grid generated turbulence on the fluidelastic instability response in parallel triangular tube array. <i>Annals of Nuclear Energy</i> , <b>2021</b> , 158, 108245	1.7	8

195	Feasibility study and economic analysis of grid connected solar powered net zero energy building (NZEB) of shopping mall for two different climates of Pakistan and Thailand. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 26, 101049	5.6	12
194	Fabrication of Catalytic Converter with Different Materials and Comparison with Existing Materials in Addition to Analysis of Turbine Installed at the Exhaust of 4 Stroke SI Engine. <i>Sustainability</i> , <b>2021</b> , 13, 10470	3.6	1
193	Minimum quantity lubrication machining of aeronautical materials using carbon group nanolubricant: From mechanisms to application. <i>Chinese Journal of Aeronautics</i> , <b>2021</b> ,	3.7	42
192	Thermodynamic, economic, and sensitivity analysis of salt gradient solar pond (SGSP) integrated with a low-temperature multi effect desalination (MED): Case study, Iran. <i>Sustainable Energy Technologies and Assessments</i> , <b>2021</b> , 47, 101478	4.7	6
191	Thermodynamic analysis and comparison of different absorption cycles driven by evacuated tube solar collector utilizing hybrid nanofluids. <i>Energy Conversion and Management</i> , <b>2021</b> , 246, 114673	10.6	22
190	Nanofluids: Physical phenomena, applications in thermal systems and the environment effects- a critical review. <i>Journal of Cleaner Production</i> , <b>2021</b> , 320, 128573	10.3	88
189	Effect of addition of pigments on thermal characteristics and the resulting performance enhancement of asphalt. <i>Construction and Building Materials</i> , <b>2021</b> , 302, 124212	6.7	10
188	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> , <b>2021</b> , 27, 101277	5.6	23
187	Effect of annealing on microstructures and mechanical properties of PA-12 lattice structures proceeded by multi jet fusion technology. <i>Additive Manufacturing</i> , <b>2021</b> , 47, 102285	6.1	3
186	Towards zero energy solar households I A model-based simulation and optimization analysis for a humid subtropical climate. <i>Sustainable Energy Technologies and Assessments</i> , <b>2021</b> , 48, 101574	4.7	8
185	A semi-empirical model for retained condensate on horizontal pin-fin tube including the effect of vapour velocity. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 28, 101420	5.6	9
184	Impact of wavy texture and hybridity of nanofluid on heat transfer augmentation over the frustum of cone geometry. <i>Thermal Science</i> , <b>2021</b> , 25, 2691-2700	1.2	2
183	Experimental Research on Minimum Quantity Lubrication Surface Grinding With Different Cooling and Lubrication Conditions <b>2021</b> , 1052-1079		
182	Experimental Evaluation on the Effect of Nanofluids Physical Properties With Different Concentrations on Grinding Temperature <b>2021</b> , 904-927		
181	Experimental investigation of convective heat transfer using ethylene glycol-based nano-fluid. <i>E3S Web of Conferences</i> , <b>2021</b> , 239, 00022	0.5	
180	Experimental investigation of thermal performance characteristics of sintered copper wicked and grooved heat pipes: A comparative study. <i>Journal of Central South University</i> , <b>2021</b> , 28, 3507-3520	2.1	2
179	Experimental investigation of effect of refrigerant gases, compressor lubricant and operating conditions on performance of a heat pump. <i>Journal of Central South University</i> , <b>2021</b> , 28, 3556-3568	2.1	1
178	Wind Farm Site Selection Using WAsP Tool for Application in the Tropical Region. <i>Sustainability</i> , <b>2021</b> , 13, 13718	3.6	3

177	Magneto-Free Convective of Hybrid Nanofluid inside Non-Darcy Porous Enclosure Containing an Adiabatic Rotating Cylinder. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2020</b> , 1-16	1.6	9
176	Thermo-Hydraulic Performance Analysis on the Effects of Truncated Twisted Tape Inserts in a Tube Heat Exchanger. <i>Symmetry</i> , <b>2020</b> , 12, 1652	2.7	17
175	Numerical study of melting and solidification in a wavy double-pipe latent heat thermal energy storage system. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 141, 1785-1799	4.1	26
174	Configuration and Optimization of a Minichannel Using Water-Alumina Nanofluid by Non-Dominated Sorting Genetic Algorithm and Response Surface Method. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	74
173	Performance improvement of photovoltaic modules via temperature homogeneity improvement. <i>Energy</i> , <b>2020</b> , 203, 117816	7.9	30
172	Performance effecting parameters of hybrid nanofluids <b>2020</b> , 179-213		8
171	Experimental study on bubble characteristics of time periodic subcooled flow boiling in annular ducts due to wall heat flux oscillation. <i>International Journal of Heat and Mass Transfer</i> , <b>2020</b> , 157, 119974-9	4.9	23
170	Disinfection of corona virus in histopathology laboratories. <i>Clinical Anatomy</i> , <b>2020</b> , 33, 975-976	2.5	1
169	Hybrid nanofluids as a heat transferring media <b>2020</b> , 143-177		0
168	Applications of hybrid nanofluids in different fields <b>2020</b> , 215-254		14
167	Comparative performance assessment of different absorber tube geometries for parabolic trough solar collector using nanofluid. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 142, 2227-2241	4.1	26
166	Triple diffusive mixed convection flow in a duct using convective boundary conditions. <i>Mathematical Methods in the Applied Sciences</i> , <b>2020</b> , 43, 9223-9244	2.3	3
165	Effect of Zinc Oxide Nano-Additives and Soybean Biodiesel at Varying Loads and Compression Ratios on VCR Diesel Engine Characteristics. <i>Symmetry</i> , <b>2020</b> , 12, 1042	2.7	42
164	Case studies on the effect of two-dimensional heliostat tracking on the performance of domestic scale solar thermal tower. <i>Case Studies in Thermal Engineering</i> , <b>2020</b> , 21, 100681	5.6	6
163	Investigation to Improve the Pool Boiling Heat Transfer Characteristics Using Laser-Textured Copper-Grooved Surfaces. <i>International Journal of Photoenergy</i> , <b>2020</b> , 2020, 1-8	2.1	9
162	Regression-Based Empirical Modeling of Thermal Conductivity of CuO-Water Nanofluid using Data-Driven Techniques. <i>International Journal of Thermophysics</i> , <b>2020</b> , 41, 1	2.1	23
161	In tube convection heat transfer enhancement: SiO <sub>2</sub> aqua based nanofluids. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 308, 113031	6	28
160	Magnetohydrodynamic natural convection of hybrid nanofluid in a porous enclosure: numerical analysis of the entropy generation. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 141, 1981-1992	4.1	53



159	Nanoparticles enhanced phase change materials (NePCMs)-A recent review. <i>Applied Thermal Engineering</i> , <b>2020</b> , 176, 115305	5.8	108
158	Water cooled micro-hole cellular structure as a heat dissipation media: An experimental and numerical study. <i>Thermal Science</i> , <b>2020</b> , 24, 683-692	1.2	6
157	Performance analysis of solar assisted multigenerational system using therminol VP1 based nanofluids: A comparative study. <i>Thermal Science</i> , <b>2020</b> , 24, 865-878	1.2	8
156	Numerical study for heat transfer enhancement using CuO water nanofluids through mini-channel heat sinks for microprocessor cooling. <i>Thermal Science</i> , <b>2020</b> , 24, 2965-2976	1.2	15
155	Computational study of natural convection and entropy generation in 3-D cavity with active lateral walls. <i>Thermal Science</i> , <b>2020</b> , 24, 2089-2100	1.2	4
154	Thermal applications of hybrid phase change materials: A critical review. <i>Thermal Science</i> , <b>2020</b> , 24, 2151-2169	1.2	11
153	Enhanced Heat Transfer Mechanism of Nanofluid MQL Cooling Grinding. <i>Advances in Chemical and Materials Engineering Book Series</i> , <b>2020</b> ,	0.2	4
152	Swimming of Gyrotactic Microorganisms in Unsteady Flow of Eyring Powell Nanofluid with Variable Thermal Features: Some Bio-technology Applications. <i>International Journal of Thermophysics</i> , <b>2020</b> , 41, 1	2.1	14
151	Experimental investigation on graphene based nanoparticles enhanced phase change materials (GbNePCMs) for thermal management of electronic equipment. <i>Journal of Energy Storage</i> , <b>2020</b> , 30, 101497	7.8	16
150	Development and thermal performance of nanoencapsulated PCM/ plaster wallboard for thermal energy storage in buildings. <i>Journal of Building Engineering</i> , <b>2020</b> , 32, 101727	5.2	19
149	Experimental investigation of two-phase separation in T-Junction with combined diameter ratio. <i>Journal of Natural Gas Science and Engineering</i> , <b>2020</b> , 73, 103048	4.6	12
148	Nanofluid: Potential evaluation in automotive radiator. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 297, 112014	6	70
147	Thermal performance analysis of metallic foam-based heat sinks embedded with RT-54HC paraffin: an experimental investigation for electronic cooling. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 140, 979-990	4.1	22
146	Experimental investigation of condensate retention on horizontal pin fin tube with varying pin angle. <i>Case Studies in Thermal Engineering</i> , <b>2020</b> , 17, 100549	5.6	7
145	Effects of utilizing nanofluid as working fluid in a lab-scale designed FPSC to improve thermal absorption and efficiency. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2020</b> , 540, 123109	3.3	29
144	Recent advancements in PV cooling and efficiency enhancement integrating phase change materials based systems [A comprehensive review. <i>Solar Energy</i> , <b>2020</b> , 197, 163-198	6.8	225
143	Heat transfer and fluid flow for tube included a porous media: Assessment and Multi-Objective Optimization Using Particle Swarm Optimization (PSO) Algorithm. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2020</b> , 545, 123804	3.3	11
142	Experimental investigation into the thermal augmentation of pigmented asphalt. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2020</b> , 551, 123974	3.3	2

141	Effect of channel structure on the performance of a planar membrane humidifier for proton exchange membrane fuel cell. <i>International Journal of Heat and Mass Transfer</i> , <b>2020</b> , 163, 120522	4.9	9
140	Enhanced pool boiling of dielectric and highly wetting liquids - a review on enhancement mechanisms. <i>International Communications in Heat and Mass Transfer</i> , <b>2020</b> , 119, 104950	5.8	28
139	On the natural convection of nanofluids in diverse shapes of enclosures: an exhaustive review. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 1	4.1	25
138	Phase change material/heat pipe and Copper foam-based heat sinks for thermal management of electronic systems. <i>Journal of Energy Storage</i> , <b>2020</b> , 32, 101971	7.8	23
137	Experimental investigation of parallel type -evacuated tube solar collector using nanofluids. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2020</b> , 1-13	1.6	6
136	Improvement of Thermal Performance using Spineloxides/Water Nanofluids in the Heat Recovery Unit with Air-to-Air Thermosiphon Mechanism. <i>International Journal of Thermophysics</i> , <b>2020</b> , 41, 1	2.1	8
135	Experimental case studies of the effect of Al <sub>2</sub> O <sub>3</sub> and MWCNTs nanoparticles on heating and cooling of PCM. <i>Case Studies in Thermal Engineering</i> , <b>2020</b> , 22, 100753	5.6	22
134	Vegetable oil-based nanofluid minimum quantity lubrication turning: Academic review and perspectives. <i>Journal of Manufacturing Processes</i> , <b>2020</b> , 59, 76-97	5	110
133	The effect of using hybrid phase change materials on thermal management of photovoltaic panels [An experimental study. <i>Solar Energy</i> , <b>2020</b> , 209, 415-423	6.8	13
132	The effect of tungsten trioxide nanoparticles on the thermal conductivity of ethylene glycol under different sonication durations: An experimental examination. <i>Powder Technology</i> , <b>2020</b> , 374, 462-469	5.2	40
131	Failure investigation of welded 430 stainless steel plates for conveyor belts. <i>Engineering Failure Analysis</i> , <b>2020</b> , 116, 104754	3.2	5
130	Preparation and dispersion stability of aqueous metal oxide nanofluids for potential heat transfer applications: a review of experimental studies. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 1	4.1	8
129	An Experimental Investigation on Aqueous Fe <sub>3</sub> O <sub>4</sub> Hybrid Nanofluid Usage in a Plain Heat Pipe. <i>International Journal of Thermophysics</i> , <b>2020</b> , 41, 1	2.1	29
128	Surface morphology assessment of CFRP transverse grinding using CNT nanofluid minimum quantity lubrication. <i>Journal of Cleaner Production</i> , <b>2020</b> , 277, 123328	10.3	114
127	Exergetic performance assessment of magnesium oxide/water nanofluid in corrugated minichannel heat sinks: An experimental study. <i>International Journal of Energy Research</i> , <b>2020</b> ,	4.5	4
126	On Aqua-Based Silica (SiO <sub>2</sub> -Water) Nanocoolant: Convective Thermal Potential and Experimental Precision Evaluation in Aluminum Tube Radiator. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	12
125	Nusselt number and friction factor variations in a capsule heat exchanger filled with eco-friendly jatropha seed oil based multi walled carbon nanotubes nanofluid. <i>Mathematical Methods in the Applied Sciences</i> , <b>2020</b> ,	2.3	2
124	Estimating the Heat Capacity of Non-Newtonian Ionanofluid Systems Using ANN, ANFIS, and SGB Tree Algorithms. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 6432	2.6	25

123	Thermal management and uniform temperature regulation of photovoltaic modules using hybrid phase change materials-nanofluids system. <i>Renewable Energy</i> , <b>2020</b> , 145, 282-293	8.1	120
122	Internal convective heat transfer of nanofluids in different flow regimes: A comprehensive review. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2020</b> , 538, 122783	3.3	44
121	Experimental study on the thermal behavior of RT-35HC paraffin within copper and Iron-Nickel open cell foams: Energy storage for thermal management of electronics. <i>International Journal of Heat and Mass Transfer</i> , <b>2020</b> , 146, 118852	4.9	40
120	Heat transfer and pressure drop investigation through pipe with different shapes using different types of nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 139, 1637-1653	4.1	37
119	Applications of nanofluids in photovoltaic thermal systems: A review of recent advances. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2019</b> , 536, 122513	3.3	75
118	Condensing heat transfer coefficients of R134a in smooth and grooved multiport flat tubes of automotive heat exchanger: An experimental investigation. <i>International Journal of Heat and Mass Transfer</i> , <b>2019</b> , 134, 366-376	4.9	22
117	Recent advances in application of nanofluids in heat transfer devices: A critical review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2019</b> , 103, 556-592	16.2	302
116	Experiments for suitability of plastic heat exchangers for dehumidification applications. <i>Applied Thermal Engineering</i> , <b>2019</b> , 158, 113827	5.8	11
115	Evaluation of solar thermal system configurations for thermoelectric generator applications: A critical review. <i>Solar Energy</i> , <b>2019</b> , 188, 111-142	6.8	50
114	Solar energy systems [Potential of nanofluids. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 289, 111049	6	106
113	Experimental investigation of enhanced heat transfer of a car radiator using ZnO nanoparticles in H <sub>2</sub> O-ethylene glycol mixture. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 138, 3007-3021	4.1	36
112	Cost effective cooling of photovoltaic modules to improve efficiency. <i>Case Studies in Thermal Engineering</i> , <b>2019</b> , 14, 100420	5.6	51
111	An investigation of a solar cooker with parabolic trough concentrator. <i>Case Studies in Thermal Engineering</i> , <b>2019</b> , 14, 100436	5.6	24
110	Applications of hybrid nanofluids in solar energy, practical limitations and challenges: A critical review. <i>Solar Energy</i> , <b>2019</b> , 183, 173-203	6.8	177
109	Condensation heat transfer enhancement using steam-ethanol mixtures on horizontal finned tube. <i>International Journal of Thermal Sciences</i> , <b>2019</b> , 140, 87-95	4.1	19
108	An experimental investigation of performance of a double pass solar air heater with foam aluminum thermal storage medium. <i>Case Studies in Thermal Engineering</i> , <b>2019</b> , 14, 100440	5.6	25
107	Design of high-temperature solar receiver integrated with short-term thermal storage for Dish-Micro Gas Turbine systems. <i>Solar Energy</i> , <b>2019</b> , 190, 156-166	6.8	27
106	Mixed Convection in a Cubical Cavity With Active Lateral Walls and Filled With Hybrid Graphene-Platinum Nanofluid. <i>Journal of Thermal Science and Engineering Applications</i> , <b>2019</b> , 11,	1.9	18

105	Performance analysis of hybrid nanofluid in a heat sink equipped with sharp and streamlined micro pin-fins. <i>Powder Technology</i> , <b>2019</b> , 355, 552-563	5.2	59
104	Experimental thermal performance analysis of finned tube-phase change material based double pass solar air heater. <i>Case Studies in Thermal Engineering</i> , <b>2019</b> , 15, 100543	5.6	77
103	Applications of combined/hybrid use of heat pipe and phase change materials in energy storage and cooling systems: A recent review. <i>Journal of Energy Storage</i> , <b>2019</b> , 26, 100986	7.8	63
102	Airfoil shaped pin-fin heat sink: Potential evaluation of ferric oxide and titania nanofluids. <i>Energy Conversion and Management</i> , <b>2019</b> , 202, 112194	10.6	56
101	Condensate retention as a function of condensate flow rate on horizontal enhanced pin-fin tubes. <i>Thermal Science</i> , <b>2019</b> , 23, 3887-3892	1.2	10
100	Numerical investigation of combined effect of nanofluids and multiple impinging jets on heat transfer. <i>Thermal Science</i> , <b>2019</b> , 23, 3165-3173	1.2	18
99	Viscosity of hybrid nanofluids: A critical review. <i>Thermal Science</i> , <b>2019</b> , 23, 1713-1754	1.2	73
98	A comprehensive review on pool boiling heat transfer using nanofluids. <i>Thermal Science</i> , <b>2019</b> , 23, 3209-3237	1.2	10
97	Condensate retention of water-ethanol mixture on horizontal enhanced condensing tubes. <i>Thermal Science</i> , <b>2019</b> , 23, 3493-3500	1.2	
96	Experimental investigation of TiO <sub>2</sub> /water nanofluid flow and heat transfer inside wavy mini-channel heat sinks. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 137, 1279-1294	4.1	79
95	Towards hybrid nanofluids: Preparation, thermophysical properties, applications, and challenges. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 281, 598-633	6	227
94	A critical review on heat transfer augmentation of phase change materials embedded with porous materials/foams. <i>International Journal of Heat and Mass Transfer</i> , <b>2019</b> , 135, 649-673	4.9	236
93	Sustainable desalination using portable devices: A concise review. <i>Solar Energy</i> , <b>2019</b> , 194, 815-839	6.8	20
92	Energy and exergy analysis of fuel cells: A review. <i>Thermal Science and Engineering Progress</i> , <b>2019</b> , 9, 308-321	3.6	76
91	Comparative performance assessment of solar dish assisted s-CO <sub>2</sub> Brayton cycle using nanofluids. <i>Applied Thermal Engineering</i> , <b>2019</b> , 148, 295-306	5.8	100
90	Experimental investigation of condensation pressure drop of R134a in smooth and grooved multiport flat tubes of automotive heat exchanger. <i>International Journal of Heat and Mass Transfer</i> , <b>2019</b> , 130, 1087-1095	4.9	25
89	Experimental analysis of ILSS of glass fibre reinforced thermoplastic and thermoset textile composites enhanced with multiwalled carbon nanotubes. <i>Journal of Mechanical Science and Technology</i> , <b>2019</b> , 33, 197-204	1.6	15
88	Bubble dynamics in evaporation flow of R-134a in narrow annular ducts due to flow rate oscillation. <i>International Communications in Heat and Mass Transfer</i> , <b>2019</b> , 100, 27-34	5.8	8

87	Air cooled heat sink geometries subjected to forced flow: A critical review. <i>International Journal of Heat and Mass Transfer</i> , <b>2019</b> , 130, 141-161	4.9	65
86	Performance Analysis of Solar-Assisted Desiccant Cooling System Cycles in World Climate Zones. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , <b>2018</b> , 140,	2.3	7
85	Evaluation of solar collector designs with integrated latent heat thermal energy storage: A review. <i>Solar Energy</i> , <b>2018</b> , 166, 334-350	6.8	133
84	An experimental study of enhanced heat sinks for thermal management using n-eicosane as phase change material. <i>Applied Thermal Engineering</i> , <b>2018</b> , 132, 52-66	5.8	79
83	Carbon nanotube nanofluid in enhancing the efficiency of evacuated tube solar collector. <i>Renewable Energy</i> , <b>2018</b> , 121, 36-44	8.1	142
82	Thermal management of electronics: An experimental analysis of triangular, rectangular and circular pin-fin heat sinks for various PCMs. <i>International Journal of Heat and Mass Transfer</i> , <b>2018</b> , 123, 272-284	4.9	111
81	Experimental investigation of PCM based round pin-fin heat sinks for thermal management of electronics: Effect of pin-fin diameter. <i>International Journal of Heat and Mass Transfer</i> , <b>2018</b> , 117, 861-872	4.9	123
80	Analysis of different toxic impacts of Fipronil on growth, hemato-biochemistry, protoplasm and reproduction in adult cockerels. <i>Toxin Reviews</i> , <b>2018</b> , 37, 294-303	2.3	10
79	Thermal performance of LHSU for electronics under steady and transient operations modes. <i>International Journal of Heat and Mass Transfer</i> , <b>2018</b> , 127, 1223-1232	4.9	41
78	Preparation Techniques of TiO <sub>2</sub> Nanofluids and Challenges: A Review. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 587	2.6	123
77	Heating and Cooling Degree-Days Maps of Pakistan. <i>Energies</i> , <b>2018</b> , 11, 94	3.1	17
76	Thermal conductivity of hybrid nanofluids: A critical review. <i>International Journal of Heat and Mass Transfer</i> , <b>2018</b> , 126, 211-234	4.9	341
75	Recent advances on thermal conductivity enhancement of phase change materials for energy storage system: A review. <i>International Journal of Heat and Mass Transfer</i> , <b>2018</b> , 127, 838-856	4.9	301
74	Application of Nanofluids for Thermal Management of Photovoltaic Modules: A Review <b>2018</b> ,		9
73	Copper foam/PCMs based heat sinks: An experimental study for electronic cooling systems. <i>International Journal of Heat and Mass Transfer</i> , <b>2018</b> , 127, 381-393	4.9	130
72	Experimental investigation on the effect of diameter ratio on two-phase slug flow separation in a T-Junction. <i>Journal of Petroleum Science and Engineering</i> , <b>2018</b> , 170, 139-150	4.4	11
71	Effect of condensate flow rate on retention angle on horizontal low-finned tubes. <i>Thermal Science</i> , <b>2018</b> , 22, 435-441	1.2	7
70	Performance investigation of photovoltaic modules by back surface water cooling. <i>Thermal Science</i> , <b>2018</b> , 22, 2401-2411	1.2	17

69	Parametric investigation of a counter-flow heat and mass exchanger based on Maisotsenko cycle. <i>Thermal Science</i> , <b>2018</b> , 22, 3099-3106	1.2	3
68	Improved waste heat recovery through surface of kiln using phase change material. <i>Thermal Science</i> , <b>2018</b> , 22, 1089-1098	1.2	10
67	Thermal management of electronics devices with PCMs filled pin-fin heat sinks: A comparison. <i>International Journal of Heat and Mass Transfer</i> , <b>2018</b> , 117, 1199-1204	4.9	128
66	Experimental investigation on paraffin wax integrated with copper foam based heat sinks for electronic components thermal cooling. <i>International Communications in Heat and Mass Transfer</i> , <b>2018</b> , 98, 155-162	5.8	86
65	Prediction of phase separation in a T-Junction. <i>Experimental Thermal and Fluid Science</i> , <b>2018</b> , 97, 160-179		17
64	An experimental study of PCM based finned and un-finned heat sinks for passive cooling of electronics. <i>Heat and Mass Transfer</i> , <b>2018</b> , 54, 3587-3598	2.2	43
63	Performance analysis of a low capacity solar tower water heating system in climate of Pakistan. <i>Energy and Buildings</i> , <b>2017</b> , 143, 84-99	7	10
62	Experimental investigation of n-eicosane based circular pin-fin heat sinks for passive cooling of electronic devices. <i>International Journal of Heat and Mass Transfer</i> , <b>2017</b> , 112, 649-661	4.9	109
61	Experimental Validation of the Transverse Shear Behavior of a Nomex Core for Sandwich Panels. <i>Mechanics of Composite Materials</i> , <b>2017</b> , 53, 193-202	1.1	5
60	Effects of natural environment on reproductive histo-morphometric dynamics of female dromedary camel. <i>Animal Reproduction Science</i> , <b>2017</b> , 181, 30-40	2.1	7
59	Patho-bacteriological investigation of an outbreak of Mycoplasma bovis infection in calves - Emerging stealth assault. <i>Microbial Pathogenesis</i> , <b>2017</b> , 107, 404-408	3.8	10
58	Marangoni condensation of steam-ethanol mixtures on a horizontal low-finned tube. <i>Applied Thermal Engineering</i> , <b>2017</b> , 117, 366-375	5.8	14
57	Experimental investigation of heat transfer and pressure drop in a straight minichannel heat sink using TiO <sub>2</sub> nanofluid. <i>International Journal of Heat and Mass Transfer</i> , <b>2017</b> , 110, 248-256	4.9	155
56	Bacterial, PCR and clinico-pathological diagnosis of naturally occurring pneumonic pasturellosis (mannheimiosis) during subtropical climate in sheep. <i>Microbial Pathogenesis</i> , <b>2017</b> , 112, 176-181	3.8	8
55	Addition of molasses, corn steep liquor, and rice polish as economical sources to enhance the fungal biomass production of wheat straw by <i>Arachniotus</i> sp.. <i>Turkish Journal of Veterinary and Animal Sciences</i> , <b>2017</b> , 41, 332-336	0.6	
54	Effect of dust deposition on the performance of photovoltaic modules in Taxila, Pakistan. <i>Thermal Science</i> , <b>2017</b> , 21, 915-923	1.2	27
53	Experimental passive electronics cooling: Parametric investigation of pin-fin geometries and efficient phase change materials. <i>International Journal of Heat and Mass Transfer</i> , <b>2017</b> , 115, 251-263	4.9	91
52	Gust response of a rotating circular cylinder in the vortex suppression regime. <i>International Journal of Heat and Mass Transfer</i> , <b>2017</b> , 115, 763-776	4.9	5

51	Graphene nanoplatelets nanofluids thermal and hydrodynamic performance on integral fin heat sink. <i>International Journal of Heat and Mass Transfer</i> , <b>2017</b> , 107, 995-1001	4.9	124
50	Experimental investigation of nucleate pool boiling heat transfer enhancement of TiO <sub>2</sub> -water based nanofluids. <i>Applied Thermal Engineering</i> , <b>2017</b> , 113, 1146-1151	5.8	54
49	Effect of channel angle of pin-fin heat sink on heat transfer performance using water based graphene nanoplatelets nanofluids. <i>International Journal of Heat and Mass Transfer</i> , <b>2017</b> , 106, 465-472	4.9	119
48	Thermal performance of phase change material (PCM) based pin-finned heat sinks for electronics devices: Effect of pin thickness and PCM volume fraction. <i>Applied Thermal Engineering</i> , <b>2017</b> , 112, 143-155	5.8	183
47	An analytical model for prediction of condensate flooding on horizontal pin-fin tubes. <i>International Journal of Heat and Mass Transfer</i> , <b>2017</b> , 106, 1120-1124	4.9	23
46	Condensation Heat Transfer on Geometrically Enhanced Horizontal Tube: A Review <b>2017</b> ,		3
45	Heat Transfer Applications of TiO <sub>2</sub> Nanofluids <b>2017</b> ,		15
44	Performance Investigation of Air Velocity Effects on PV Modules under Controlled Conditions. <i>International Journal of Photoenergy</i> , <b>2017</b> , 2017, 1-10	2.1	11
43	Evaluation of nanofluids performance for simulated microprocessor. <i>Thermal Science</i> , <b>2017</b> , 21, 2227-2236		20
42	Key design features of multi-vacuum glazing for windows: A review. <i>Thermal Science</i> , <b>2017</b> , 21, 2673-2687	2	4
41	Simulation study of flat-sheet air gap membrane distillation modules coupled with an evaporative crystallizer for zero liquid discharge water desalination. <i>Applied Thermal Engineering</i> , <b>2016</b> , 108, 486-501	5.8	29
40	Experimental analysis of an improved Maisotsenko cycle design under low velocity conditions. <i>Applied Thermal Engineering</i> , <b>2016</b> , 95, 288-295	5.8	34
39	Outdoor testing of photovoltaic modules during summer in Taxila, Pakistan. <i>Thermal Science</i> , <b>2016</b> , 20, 165-173	1.2	18
38	Free convection condensation heat transfer of steam on horizontal square wire wrapped tubes. <i>International Journal of Heat and Mass Transfer</i> , <b>2016</b> , 98, 350-358	4.9	19
37	Free convection condensation of steam on horizontal wire wrapped tubes: Effect of wire thermal conductivity, pitch and diameter. <i>Applied Thermal Engineering</i> , <b>2015</b> , 90, 207-214	5.8	21
36	Experimental investigation of convective heat transfer augmentation for car radiator using ZnO-water nanofluids. <i>Energy</i> , <b>2015</b> , 84, 317-324	7.9	186
35	Performance investigation of solid desiccant evaporative cooling system configurations in different climatic zones. <i>Energy Conversion and Management</i> , <b>2015</b> , 97, 323-339	10.6	23
34	Effect of circumferential pin thickness on condensate retention as a function of vapor velocity on horizontal pin-fin tubes. <i>Applied Thermal Engineering</i> , <b>2015</b> , 91, 245-251	5.8	14

33	Enhancement and integration of desiccant evaporative cooling system model calibrated and validated under transient operating conditions. <i>Applied Thermal Engineering</i> , <b>2015</b> , 75, 1093-1105	5.8	5
32	A semi-empirical model for free-convection condensation on horizontal pin fin tubes. <i>International Journal of Heat and Mass Transfer</i> , <b>2015</b> , 81, 157-166	4.9	34
31	Heat transfer enhancement of car radiator using aqua based magnesium oxide nanofluids. <i>Thermal Science</i> , <b>2015</b> , 19, 2039-2048	1.2	52
30	Antineoplastic Effects of siRNA against TMPRSS2-ERG Junction Oncogene in Prostate Cancer. <i>PLoS ONE</i> , <b>2015</b> , 10, e0125277	3.7	21
29	Thermal performance investigation of staggered and inline pin fin heat sinks using water based rutile and anatase TiO <sub>2</sub> nanofluids. <i>Energy Conversion and Management</i> , <b>2015</b> , 106, 793-803	10.6	123
28	An experimental investigation of performance of photovoltaic modules in Pakistan. <i>Thermal Science</i> , <b>2015</b> , 19, 525-534	1.2	15
27	An experimental investigation of performance of a double pass solar air heater with thermal storage medium. <i>Thermal Science</i> , <b>2015</b> , 19, 1699-1708	1.2	12
26	Water cooled minichannel heat sinks for microprocessor cooling: Effect of fin spacing. <i>Applied Thermal Engineering</i> , <b>2014</b> , 64, 76-82	5.8	116
25	Effect of vapour velocity on condensate retention on horizontal pin-fin tubes. <i>Energy Conversion and Management</i> , <b>2014</b> , 86, 1001-1009	10.6	17
24	Measurements and semi-empirical correlation for condensate retention on horizontal integral-fin tubes: Effect of vapour velocity. <i>Applied Thermal Engineering</i> , <b>2014</b> , 71, 24-33	5.8	12
23	An investigation of condensate retention on pin-fin tubes. <i>Applied Thermal Engineering</i> , <b>2014</b> , 63, 503-510	10.8	28
22	Effects of silencing the RET/PTC1 oncogene in papillary thyroid carcinoma by siRNA-squalene nanoparticles with and without fusogenic companion GALA-cholesterol. <i>Thyroid</i> , <b>2014</b> , 24, 327-38	6.2	16
21	Effects of siRNA on RET/PTC3 junction oncogene in papillary thyroid carcinoma: from molecular and cellular studies to preclinical investigations. <i>PLoS ONE</i> , <b>2014</b> , 9, e95964	3.7	10
20	Multiwalled Carbon Nanotube Nanofluid for Thermal Management of High Heat Generating Computer Processor. <i>Heat Transfer - Asian Research</i> , <b>2014</b> , 43, 653-666	2.8	47
19	Comparison of Performance Measurements of Photovoltaic Modules during Winter Months in Taxila, Pakistan. <i>International Journal of Photoenergy</i> , <b>2014</b> , 2014, 1-8	2.1	39
18	Condensation heat transfer on pin-fin tubes: Effect of thermal conductivity and pin height. <i>Applied Thermal Engineering</i> , <b>2013</b> , 60, 465-471	5.8	47
17	Significance and applications of nanoparticles in siRNA delivery for cancer therapy. <i>Expert Review of Clinical Pharmacology</i> , <b>2012</b> , 5, 403-12	3.8	22
16	Condensation of R-113 on Pin-Fin Tubes: Effect of Circumferential Pin Thickness and Spacing. <i>Heat Transfer Engineering</i> , <b>2012</b> , 33, 205-212	1.7	25



15	Condensation of ethylene glycol on pin-fin tubes: Effect of circumferential pin spacing and thickness. <i>Applied Thermal Engineering</i> , <b>2012</b> , 49, 9-13	5.8	32
14	Enhanced Condensation of Ethylene Glycol on Single Pin-Fin Tubes: Effect of Pin Geometry. <i>Journal of Heat Transfer</i> , <b>2012</b> , 134,	1.8	17
13	Enhanced Condensation of Ethylene Glycol on Three-Dimensional Pin-Fin Tubes <b>2010</b> ,		2
12	Extreme pressure and antiwear additives for lubricant: academic insights and perspectives. <i>International Journal of Advanced Manufacturing Technology</i> ,1	3.2	17
11	Cutting fluid corrosion inhibitors from inorganic to organic: Progress and applications. <i>Korean Journal of Chemical Engineering</i> ,1	2.8	8
10	EXPERIMENTAL INVESTIGATION OF MONOCRYSTALLINE AND POLYCRYSTALLINE SOLAR MODULES AT DIFFERENT INCLINATION ANGLES. <i>Journal of Thermal Engineering</i> ,2137-2148	1.1	4
9	Experimental thermal and hydraulic study of super hydrophobic wavy mini channel heat sink using aqueous nanofluids. <i>Chemical Engineering Communications</i> ,1-23	2.2	2
8	Synthesis, heat transfer properties and stability of nanofluids for commercialization: a review. <i>Chemical Engineering Communications</i> ,1-23	2.2	4
7	AN OVERVIEW OF RECENT PROGRESS IN CONDENSATION HEAT TRANSFER ENHANCEMENT ACROSS HORIZONTAL TUBES AND THE TUBE BUNDLE. <i>Journal of Thermal Engineering</i> ,1-36	1.1	
6	Nano-enhanced biolubricant in sustainable manufacturing: From processability to mechanisms. <i>Friction</i> ,	5.6	36
5	Excellent electromagnetic wave absorption by complex systems through hybrid polymerized material. <i>Polymer Bulletin</i> ,1	2.4	2
4	THERMAL NUMERICAL INVESTIGATION OF A SMALL PARABOLIC TROUGH COLLECTOR UNDER DESERT CLIMATIC CONDITIONS. <i>Journal of Thermal Engineering</i> ,429-446	1.1	16
3	CFD analysis of natural convection between two superposed fluids: role of corrugated bottoms. <i>Chemical Engineering Communications</i> ,1-17	2.2	3
2	Entropy analysis with the Cattaneo-Christov heat flux model for the Powell-Eyring nanofluid flow over a stretching surface. <i>Waves in Random and Complex Media</i> ,1-26	1.9	1
1	Parametric Evaluation of Condensate Water Yield from Plain Finned Tube Heat Exchangers in Atmospheric Water Generation. <i>Arabian Journal for Science and Engineering</i> ,1	2.5	