

Zahir Shah

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5047716/zahir-shah-publications-by-citations.pdf>
Version: 2024-04-10

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.

264 papers	11,061 citations	49 h-index	97 g-index
279 ext. papers	12,859 ext. citations	3.3 avg, IF	8.03 L-index

#	Paper	IF	Citations
264	Effect of thermal radiation on magnetohydrodynamics nanofluid flow and heat transfer by means of two phase model. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 374, 36-43	2.8	616
263	Numerical simulation of magnetic nanofluid natural convection in porous media. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017 , 381, 494-503	2.3	298
262	Simulation of MHD CuO-water nanofluid flow and convective heat transfer considering Lorentz forces. <i>Journal of Magnetism and Magnetic Materials</i> , 2014 , 369, 69-80	2.8	295
261	Simulation of nanofluid heat transfer in presence of magnetic field: A review. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 115, 1203-1233	4.9	283
260	Nanofluid flow and heat transfer between parallel plates considering Brownian motion using DTM. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2015 , 283, 651-663	5.7	265
259	CuO-water nanofluid flow due to magnetic field inside a porous media considering Brownian motion. <i>Journal of Molecular Liquids</i> , 2018 , 249, 921-929	6	257
258	Entropy generation of nanofluid in presence of magnetic field using Lattice Boltzmann Method. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015 , 417, 273-286	3.3	250
257	Numerical simulation for solidification in a LHTESS by means of nano-enhanced PCM. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 86, 25-41	5.3	247
256	Magnetic field influence on nanofluid thermal radiation in a cavity with tilted elliptic inner cylinder. <i>Journal of Molecular Liquids</i> , 2017 , 229, 137-147	6	241
255	Simulation of nanofluid flow and natural convection in a porous media under the influence of electric field using CVFEM. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 120, 772-781	4.9	226
254	Simulation of CuO-water nanofluid heat transfer enhancement in presence of melting surface. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 116, 909-919	4.9	222
253	Numerical investigation of nanofluid free convection under the influence of electric field in a porous enclosure. <i>Journal of Molecular Liquids</i> , 2018 , 249, 1212-1221	6	215
252	Magnetohydrodynamic nanofluid forced convection in a porous lid driven cubic cavity using Lattice Boltzmann method. <i>Journal of Molecular Liquids</i> , 2017 , 231, 555-565	6	214
251	Influence of Lorentz forces on nanofluid flow in a porous cylinder considering Darcy model. <i>Journal of Molecular Liquids</i> , 2017 , 225, 903-912	6	211
250	Numerical simulation of MHD nanofluid flow and heat transfer considering viscous dissipation. <i>International Journal of Heat and Mass Transfer</i> , 2014 , 79, 212-222	4.9	207
249	Lattice Boltzmann method simulation for MHD non-Darcy nanofluid free convection. <i>Physica B: Condensed Matter</i> , 2017 , 516, 55-71	2.8	205
248	Flow and convective heat transfer of a ferro-nanofluid in a double-sided lid-driven cavity with a wavy wall in the presence of a variable magnetic field. <i>Numerical Heat Transfer; Part A: Applications</i> , 2016 , 69, 1186-1200	2.3	200

247	Magnetic field influence on CuO/H ₂ O nanofluid convective flow in a permeable cavity considering various shapes for nanoparticles. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 19611-19621	6.7	194
246	Mesoscopic method for MHD nanofluid flow inside a porous cavity considering various shapes of nanoparticles. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 113, 106-114	4.9	190
245	Ferrofluid flow and heat transfer in a semi annulus enclosure in the presence of magnetic source considering thermal radiation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015 , 47, 6-17	5.3	183
244	Fe ₃ O ₄ /H ₂ O nanofluid natural convection in presence of thermal radiation. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 5708-5718	6.7	176
243	Free convection of ferrofluid in a cavity heated from below in the presence of an external magnetic field. <i>Powder Technology</i> , 2014 , 256, 490-498	5.2	166
242	Electrohydrodynamic free convection heat transfer of a nanofluid in a semi-annulus enclosure with a sinusoidal wall. <i>Numerical Heat Transfer; Part A: Applications</i> , 2016 , 69, 781-793	2.3	163
241	CVFEM for magnetic nanofluid convective heat transfer in a porous curved enclosure. <i>European Physical Journal Plus</i> , 2016 , 131, 1	3.1	144
240	The electrical MHD and Hall current impact on micropolar nanofluid flow between rotating parallel plates. <i>Results in Physics</i> , 2018 , 9, 1201-1214	3.7	141
239	Electrohydrodynamic Nanofluid Hydrothermal Treatment in an Enclosure with Sinusoidal Upper Wall. <i>Applied Sciences (Switzerland)</i> , 2015 , 5, 294-306	2.6	141
238	Impact of Lorentz forces on Fe ₃ O ₄ -water ferrofluid entropy and exergy treatment within a permeable semi annulus. <i>Journal of Cleaner Production</i> , 2019 , 221, 885-898	10.3	129
237	Radiative Heat and Mass Transfer Analysis of Micropolar Nanofluid Flow of Casson Fluid Between Two Rotating Parallel Plates With Effects of Hall Current. <i>Journal of Heat Transfer</i> , 2019 , 141,	1.8	117
236	EFFECTS OF MAGNETOHYDRODYNAMICS ON PERISTALTIC FLOW OF JEFFREY FLUID IN A RECTANGULAR DUCT THROUGH A POROUS MEDIUM. <i>Journal of Porous Media</i> , 2014 , 17, 143-157	2.9	106
235	Radiative MHD Casson Nanofluid Flow with Activation energy and chemical reaction over past nonlinearly stretching surface through Entropy generation. <i>Scientific Reports</i> , 2020 , 10, 4402	4.9	91
234	Uniform magnetic force impact on water based nanofluid thermal behavior in a porous enclosure with ellipse shaped obstacle. <i>Scientific Reports</i> , 2019 , 9, 1196	4.9	84
233	Entropy generation on magneto-convective flow of copper/water nanofluid in a cavity with chamfers. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 2203-2214	4.1	75
232	Nonlinear thermal radiation and cubic autocatalysis chemical reaction effects on the flow of stretched nanofluid under rotational oscillations. <i>Journal of Colloid and Interface Science</i> , 2017 , 505, 253-265	9.3	68
231	Three dimensional third grade nanofluid flow in a rotating system between parallel plates with Brownian motion and thermophoresis effects. <i>Results in Physics</i> , 2018 , 10, 36-45	3.7	66
230	Heat and mass transfer together with hybrid nanofluid flow over a rotating disk. <i>AIP Advances</i> , 2020 , 10, 055317	1.5	65

229	Entropy Analysis on Electro-Kinetically Modulated Peristaltic Propulsion of Magnetized Nanofluid Flow through a Microchannel. <i>Entropy</i> , 2017 , 19, 481	2.8	63
228	Impact of thermal radiation on electrical MHD rotating flow of Carbon nanotubes over a stretching sheet. <i>AIP Advances</i> , 2019 , 9, 015115	1.5	59
227	Unsteady nanofluid flow and heat transfer in presence of magnetic field considering thermal radiation. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2015 , 37, 895-902	2	59
226	Numerical investigation for rotating flow of MHD hybrid nanofluid with thermal radiation over a stretching sheet. <i>Scientific Reports</i> , 2020 , 10, 18533	4.9	59
225	Slip flow of Eyring-Powell nanoliquid film containing graphene nanoparticles. <i>AIP Advances</i> , 2018 , 8, 115302	3.9	59
224	A stochastic numerical analysis based on hybrid NAR-RBFs networks nonlinear Sitr model for novel COVID-19 dynamics. <i>Computer Methods and Programs in Biomedicine</i> , 2021 , 202, 105973	6.9	58
223	Three-dimensional rotating flow of MHD single wall carbon nanotubes over a stretching sheet in presence of thermal radiation. <i>Applied Nanoscience (Switzerland)</i> , 2018 , 8, 1361-1378	3.3	55
222	Brownian Motion and Thermophoresis Effects on MHD Mixed Convective Thin Film Second-Grade Nanofluid Flow with Hall Effect and Heat Transfer Past a Stretching Sheet. <i>Journal of Nanofluids</i> , 2017 , 6, 812-829	2.2	55
221	Darcy-Forchheimer flow of radiative carbon nanotubes with microstructure and inertial characteristics in the rotating frame. <i>Case Studies in Thermal Engineering</i> , 2018 , 12, 823-832	5.6	55
220	The Combined Magneto Hydrodynamic and Electric Field Effect on an Unsteady Maxwell Nanofluid Flow over a Stretching Surface under the Influence of Variable Heat and Thermal Radiation. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 160	2.6	54
219	Radiative MHD thin film flow of Williamson fluid over an unsteady permeable stretching sheet. <i>Heliyon</i> , 2018 , 4, e00825	3.6	53
218	Simulation of bioconvection in the suspension of second grade nanofluid containing nanoparticles and gyrotactic microorganisms. <i>AIP Advances</i> , 2018 , 8, 105210	1.5	52
217	Cattaneo-Christov model for electrical magnetite micropolar Casson ferrofluid over a stretching/shrinking sheet using effective thermal conductivity model. <i>Case Studies in Thermal Engineering</i> , 2019 , 13, 100352	5.6	48
216	Darcy-Forchheimer flow of MHD nanofluid thin film flow with Joule dissipation and Navier's partial slip. <i>Journal of Physics Communications</i> , 2018 , 2, 115014	1.2	48
215	Entropy Generation in MHD Radiative Flow of CNTs Casson Nanofluid in Rotating Channels with Heat Source/Sink. <i>Mathematical Problems in Engineering</i> , 2019 , 2019, 1-14	1.1	47
214	Entropy Generation on Nanofluid Thin Film Flow of Eyring-Powell Fluid with Thermal Radiation and MHD Effect on an Unsteady Porous Stretching Sheet. <i>Entropy</i> , 2018 , 20,	2.8	47
213	Design of Neural Network With Levenberg-Marquardt and Bayesian Regularization Backpropagation for Solving Pantograph Delay Differential Equations. <i>IEEE Access</i> , 2020 , 8, 137918-137933	3.5	47
212	Magnetic nanofluid natural convection in the presence of thermal radiation considering variable viscosity. <i>European Physical Journal Plus</i> , 2017 , 132, 1	3.1	46

211	The Rotating Flow of Magneto Hydrodynamic Carbon Nanotubes over a Stretching Sheet with the Impact of Non-Linear Thermal Radiation and Heat Generation/Absorption. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 482	2.6	46
210	Impact of Nonlinear Thermal Radiation on MHD Nanofluid Thin Film Flow over a Horizontally Rotating Disk. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 1533	2.6	45
209	Darcy Forchheimer nanofluid thin film flow of SWCNTs and heat transfer analysis over an unsteady stretching sheet. <i>AIP Advances</i> , 2019 , 9, 015223	1.5	44
208	On the convective heat and zero nanoparticle mass flux conditions in the flow of 3D MHD Couple Stress nanofluid over an exponentially stretched surface. <i>Scientific Reports</i> , 2019 , 9, 562	4.9	43
207	Exploration of temperature dependent thermophysical characteristics of yield exhibiting non-Newtonian fluid flow under gyrotactic microorganisms. <i>AIP Advances</i> , 2019 , 9, 125016	1.5	43
206	Entropy Generation in MHD Mixed Convection Non-Newtonian Second-Grade Nanoliquid Thin Film Flow through a Porous Medium with Chemical Reaction and Stratification. <i>Entropy</i> , 2019 , 21,	2.8	42
205	Implementation of the One-Step One-Hybrid Block Method on the Nonlinear Equation of a Circular Sector Oscillator. <i>Computational Mathematics and Modeling</i> , 2020 , 31, 116-132	0.5	41
204	Influence of Cattaneo-Christov model on Darcy-Forchheimer flow of Micropolar Ferrofluid over a stretching/shrinking sheet. <i>International Communications in Heat and Mass Transfer</i> , 2020 , 110, 104385	5.8	41
203	Influence of Inclined Magnetic Field on Carreau Nanoliquid Thin Film Flow and Heat Transfer with Graphene Nanoparticles. <i>Energies</i> , 2019 , 12, 1459	3.1	40
202	Nanofluids Thin Film Flow of Reiner-Philippoff Fluid over an Unstable Stretching Surface with Brownian Motion and Thermophoresis Effects. <i>Coatings</i> , 2019 , 9, 21	2.9	39
201	Impact of Nonlinear Thermal Radiation and the Viscous Dissipation Effect on the Unsteady Three-Dimensional Rotating Flow of Single-Wall Carbon Nanotubes with Aqueous Suspensions. <i>Symmetry</i> , 2019 , 11, 207	2.7	39
200	MHD Effects on Ciliary-Induced Peristaltic Flow Coatings with Rheological Hybrid Nanofluid. <i>Coatings</i> , 2020 , 10, 186	2.9	39
199	Entropy Generation in MHD Eyring-Powell Fluid Flow over an Unsteady Oscillatory Porous Stretching Surface under the Impact of Thermal Radiation and Heat Source/Sink. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 2588	2.6	39
198	Hall Effect on Couple Stress 3D Nanofluid Flow Over an Exponentially Stretched Surface With Cattaneo Christov Heat Flux Model. <i>IEEE Access</i> , 2019 , 7, 64844-64855	3.5	38
197	Analysis of hybrid nanofluid behavior within a porous cavity including Lorentz forces and radiation impacts. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 1129-1137	4.1	38
196	Three-Dimensional Casson Nanofluid Thin Film Flow over an Inclined Rotating Disk with the Impact of Heat Generation/Consumption and Thermal Radiation. <i>Coatings</i> , 2019 , 9, 248	2.9	36
195	Study of two-dimensional boundary layer thin film fluid flow with variable thermo-physical properties in three dimensions space. <i>AIP Advances</i> , 2018 , 8, 105318	1.5	36
194	Numerical analysis of 3-D MHD hybrid nanofluid over a rotational disk in presence of thermal radiation with Joule heating and viscous dissipation effects using Lobatto IIIA technique. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 60, 3605-3619	6.1	36

193	MHD Thin Film Flow and Thermal Analysis of Blood with CNTs Nanofluid. <i>Coatings</i> , 2019 , 9, 175	2.9	35
192	Three-Dimensional Nanofluid Flow with Heat and Mass Transfer Analysis over a Linear Stretching Surface with Convective Boundary Conditions. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 2244	2.6	35
191	Unsteady squeezing flow of magnetohydrodynamic carbon nanotube nanofluid in rotating channels with entropy generation and viscous dissipation. <i>Advances in Mechanical Engineering</i> , 2019 , 11, 168781401882310	1.2	34
190	Magnetic Dipole Impact on the Hybrid Nanofluid Flow over an Extending Surface. <i>Scientific Reports</i> , 2020 , 10, 8474	4.9	34
189	Influences of electrical MHD and Hall current on squeezing nanofluid flow inside rotating porous plates with viscous and joule dissipation effects. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 140, 1215-1227	4.1	34
188	Entropy generation optimization in MHD pseudoplastic fluid comprising motile microorganisms with stratification effect. <i>AEJ - Alexandria Engineering Journal</i> , 2020 , 59, 485-496	6.1	33
187	Distance and Similarity Measures for Spherical Fuzzy Sets and Their Applications in Selecting Mega Projects. <i>Mathematics</i> , 2020 , 8, 519	2.3	33
186	Micropolar gold blood nanofluid flow and radiative heat transfer between permeable channels. <i>Computer Methods and Programs in Biomedicine</i> , 2020 , 186, 105197	6.9	33
185	Entropy generation in MHD Casson fluid flow with variable heat conductance and thermal conductivity over non-linear bi-directional stretching surface. <i>Scientific Reports</i> , 2020 , 10, 12530	4.9	33
184	Entropy generation in electrical magnetohydrodynamic flow of Al_2O_3/H_2O hybrid nanofluid with non-uniform heat flux. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 2135-2148	4.1	33
183	Application of Electric Field for Augmentation of Ferrofluid Heat Transfer in an Enclosure Including Double Moving Walls. <i>IEEE Access</i> , 2019 , 7, 21048-21056	3.5	31
182	Entropy generation and thermal analysis for rotary motion of hydromagnetic Casson nanofluid past a rotating cylinder with Joule heating effect. <i>International Communications in Heat and Mass Transfer</i> , 2020 , 119, 104979	5.8	31
181	Hall current and thermophoresis effects on magnetohydrodynamic mixed convective heat and mass transfer thin film flow. <i>Journal of Physics Communications</i> , 2019 , 3, 035009	1.2	30
180	Lorentz force impact on hybrid nanofluid within a porous tank including entropy generation. <i>International Communications in Heat and Mass Transfer</i> , 2020 , 116, 104635	5.8	30
179	Non Pharmaceutical Interventions for Optimal Control of COVID-19. <i>Computer Methods and Programs in Biomedicine</i> , 2020 , 196, 105642	6.9	29
178	Onset of gyrotactic microorganisms in MHD Micropolar nanofluid flow with partial slip and double stratification. <i>Journal of King Saud University - Science</i> , 2020 , 32, 2741-2751	3.6	29
177	Effective Prandtl Number Model Influences on the $(\gamma_{Al}_2O_3)(\gamma_{H}_2O)$ and $(\gamma_{Al}_2O_3)(\gamma_{C}_2H_6O)_2$ Nanofluids Spray Along a Stretching Cylinder. <i>Arabian Journal for Science and Engineering</i> , 2019 , 44, 1601-1616	2.5	29
176	Entropy Generation of Carbon Nanotubes Flow in a Rotating Channel with Hall and Ion-Slip Effect Using Effective Thermal Conductivity Model. <i>Entropy</i> , 2019 , 21,	2.8	28

175	Darcy-Forchheimer MHD Couple Stress 3D Nanofluid over an Exponentially Stretching Sheet through Cattaneo-Christov Convective Heat Flux with Zero Nanoparticles Mass Flux Conditions. <i>Entropy</i> , 2019 , 21, 867	2.8	27
174	Entropy optimization in Darcy-Forchheimer MHD flow of water based copper and silver nanofluids with Joule heating and viscous dissipation effects. <i>AIP Advances</i> , 2020 , 10, 065137	1.5	27
173	Darcy-Forchheimer flow of MHD CNTs nanofluid radiative thermal behaviour and convective non uniform heat source/sink in the rotating frame with microstructure and inertial characteristics. <i>AIP Advances</i> , 2018 , 8, 125024	1.5	26
172	Influence of Cattaneo-Christov Heat Flux on MHD Jeffrey, Maxwell, and Oldroyd-B Nanofluids with Homogeneous-Heterogeneous Reaction. <i>Symmetry</i> , 2019 , 11, 439	2.7	25
171	Application of Differential Transformation Method for Nanofluid Flow in a Semi-Permeable Channel Considering Magnetic Field Effect. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , 2015 , 16, 246-255	0.7	25
170	Influences of Hall current and radiation on MHD micropolar non-Newtonian hybrid nanofluid flow between two surfaces. <i>AIP Advances</i> , 2020 , 10, 055015	1.5	25
169	Brownian Motion and Thermophoresis Effects on MHD Three Dimensional Nanofluid Flow with Slip Conditions and Joule Dissipation Due to Porous Rotating Disk. <i>Molecules</i> , 2020 , 25,	4.8	25
168	Darcy-Forchheimer MHD Hybrid Nanofluid Flow and Heat Transfer Analysis over a Porous Stretching Cylinder. <i>Coatings</i> , 2020 , 10, 391	2.9	25
167	Three-dimensional magnetohydrodynamic (MHD) flow of Maxwell nanofluid containing gyrotactic micro-organisms with heat source/sink. <i>AIP Advances</i> , 2018 , 8, 085303	1.5	25
166	The influence of a magnetic field on the heat transfer of a magnetic nanofluid in a sinusoidal channel. <i>European Physical Journal Plus</i> , 2016 , 131, 1	3.1	25
165	Bi-parametric distance and similarity measures of picture fuzzy sets and their applications in medical diagnosis. <i>Egyptian Informatics Journal</i> , 2021 , 22, 201-212	3.1	25
164	Darcy-Forchheimer flow of micropolar nanofluid between two plates in the rotating frame with non-uniform heat generation/absorption. <i>Advances in Mechanical Engineering</i> , 2018 , 10, 168781401880885	1.2	25
163	Entropy Generation in MHD Second-Grade Nanofluid Thin Film Flow Containing CNTs with Cattaneo-Christov Heat Flux Model Past an Unsteady Stretching Sheet. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2720	2.6	24
162	Radiative mixed convection flow of maxwell nanofluid over a stretching cylinder with joule heating and heat source/sink effects. <i>Scientific Reports</i> , 2020 , 10, 17823	4.9	23
161	CFD Simulation of Water-Based Hybrid Nanofluid Inside a Porous Enclosure Employing Lorentz Forces. <i>IEEE Access</i> , 2019 , 7, 177177-177186	3.5	23
160	Entropy Generation and Heat Transfer Analysis in MHD Unsteady Rotating Flow for Aqueous Suspensions of Carbon Nanotubes with Nonlinear Thermal Radiation and Viscous Dissipation Effect. <i>Entropy</i> , 2019 , 21,	2.8	22
159	Viscoelastic MHD Nanofluid Thin Film Flow over an Unsteady Vertical Stretching Sheet with Entropy Generation. <i>Processes</i> , 2019 , 7, 262	2.9	22
158	Radiative flow of magneto hydrodynamics single-walled carbon nanotube over a convectively heated stretchable rotating disk with velocity slip effect. <i>Advances in Mechanical Engineering</i> , 2019 , 11, 168781401982771	1.2	22

157	Microstructure and Inertial Characteristics of MHD Suspended SWCNTs and MWCNTs Based Maxwell Nanofluid Flow with Bio-Convection and Entropy Generation Past a Permeable Vertical Cone. <i>Coatings</i> , 2020 , 10, 998	2.9	22
156	Natural convection flow of a non-Newtonian nanofluid between two vertical flat plates. <i>Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems</i> , 2011 , 225, 115-122		22
155	Flow of a Nano-Liquid Film of Maxwell Fluid with Thermal Radiation and Magneto Hydrodynamic Properties on an Unstable Stretching Sheet. <i>Journal of Nanofluids</i> , 2017 , 6, 1021-1030	2.2	22
154	Nonlinear fractional mathematical model of tuberculosis (TB) disease with incomplete treatment under Atangana-Baleanu derivative. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 60, 2845-2856	6.1	22
153	Three dimensional Darcy-Forchheimer radiated flow of single and multiwall carbon nanotubes over a rotating stretchable disk with convective heat generation and absorption. <i>AIP Advances</i> , 2019 , 9, 035031	1.5	21
152	Cattaneo-Christov Heat Flux Model for Three-Dimensional Rotating Flow of SWCNT and MWCNT Nanofluid with Darcy-Forchheimer Porous Medium Induced by a Linearly Stretchable Surface. <i>Symmetry</i> , 2019 , 11, 331	2.7	21
151	Unsteady MHD carbon nanotubes suspended nanofluid flow with thermal stratification and nonlinear thermal radiation. <i>AEJ - Alexandria Engineering Journal</i> , 2020 , 59, 1557-1566	6.1	21
150	Investigation of entropy generation in stratified MHD Carreau nanofluid with gyrotactic microorganisms under Von Neumann similarity transformations. <i>European Physical Journal Plus</i> , 2020 , 135, 1	3.1	21
149	Optimization of entropy generation in flow of micropolar mixed convective magnetite (Fe ₃ O ₄) ferroparticle over a vertical plate. <i>AEJ - Alexandria Engineering Journal</i> , 2019 , 58, 1461-1470	6.1	21
148	Impact of Thermal Radiation and Heat Source/Sink on Eyring-Powell Fluid Flow over an Unsteady Oscillatory Porous Stretching Surface. <i>Mathematical and Computational Applications</i> , 2018 , 23, 20	1	20
147	Heat Transfer Analysis of a Magneto-Bio-Fluid Transport with Variable Thermal Viscosity through a Vertical Ciliated Channel. <i>Symmetry</i> , 2019 , 11, 1240	2.7	20
146	Chemically reactive MHD micropolar nanofluid flow with velocity slips and variable heat source/sink. <i>Scientific Reports</i> , 2020 , 10, 20926	4.9	20
145	Unsteady hybrid-nanofluid flow comprising ferrousoxide and CNTs through porous horizontal channel with dilating/squeezing walls. <i>Scientific Reports</i> , 2021 , 11, 12637	4.9	20
144	Numerical investigation of MHD nanomaterial convective migration and heat transfer within a sinusoidal porous cavity. <i>Physica Scripta</i> , 2019 , 94, 115225	2.6	19
143	Hall and Ion-Slip Effect on CNTs Nanofluid over a Porous Extending Surface through Heat Generation and Absorption. <i>Entropy</i> , 2019 , 21,	2.8	19
142	Entropy optimization and heat transfer modeling for Lorentz forces effect on solidification of NEPCM. <i>International Communications in Heat and Mass Transfer</i> , 2020 , 117, 104715	5.8	19
141	Entropy Generation Optimization in Squeezing Magnetohydrodynamics Flow of Casson Nanofluid with Viscous Dissipation and Joule Heating Effect. <i>Entropy</i> , 2019 , 21,	2.8	19
140	Darcy-Forchheimer Radiative Flow of Micropolar CNT Nanofluid in Rotating Frame with Convective Heat Generation/Consumption. <i>Processes</i> , 2019 , 7, 666	2.9	18

139	Joule heating in magnetohydrodynamic micropolar boundary layer flow past a stretching sheet with chemical reaction and microstructural slip. <i>Case Studies in Thermal Engineering</i> , 2021 , 25, 100870	5.6	18
138	Flow of a Nanofluid and Heat Transfer in Channel With Contracting/Expanding Walls. <i>IEEE Access</i> , 2019 , 7, 102427-102436	3.5	17
137	Hall effect on Titania nanofluids thin film flow and radiative thermal behavior with different base fluids on an inclined rotating surface. <i>AIP Advances</i> , 2019 , 9, 055113	1.5	17
136	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
135	Hydromagnetic mixed convective third grade nanomaterial containing gyrotactic microorganisms toward a horizontal stretched surface. <i>AEJ - Alexandria Engineering Journal</i> , 2019 , 58, 1421-1429	6.1	17
134	Investigation of turbulent flow and heat transfer in an air to water double-pipe heat exchanger. <i>Neural Computing and Applications</i> , 2015 , 26, 941-947	4.8	16
133	. <i>IEEE Transactions on Transportation Electrification</i> , 2020 , 6, 519-529	7.6	16
132	Impact of magnetic field on boundary-layer flow of Sisko liquid comprising nanomaterials migration through radially shrinking/stretching surface with zero mass flux. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 3699-3709	5.5	16
131	Liming induces carbon dioxide (CO) emission in PSB inoculated alkaline soil supplemented with different phosphorus sources. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 9501-9509	5.1	16
130	Influence of MHD on Thermal Behavior of Darcy-Forchheimer Nanofluid Thin Film Flow over a Nonlinear Stretching Disc. <i>Coatings</i> , 2019 , 9, 446	2.9	16
129	Numerical Simulation of Magnetohydrodynamic Nanofluids Under the Influence of Shape Factor and Thermal Transport in a Porous Media Using CVFEM. <i>Frontiers in Physics</i> , 2019 , 7,	3.9	16
128	Entropy generation on MHD peristaltic flow of Cu-water nanofluid with slip conditions. <i>Heat Transfer - Asian Research</i> , 2019 , 48, 4301-4319	2.8	16
127	Cattaneo-Christov Heat Flux Model for Second Grade Nanofluid Flow with Hall Effect through Entropy Generation over Stretchable Rotating Disk. <i>Coatings</i> , 2020 , 10, 610	2.9	16
126	Study of Three dimensional Darcy-Forchheimer squeezing nanofluid flow with Cattaneo-Christov heat flux based on four different types of nanoparticles through entropy generation analysis. <i>Advances in Mechanical Engineering</i> , 2019 , 11, 168781401985130	1.2	15
125	Transient process in a finned triplex tube during phase changing of aluminum oxide enhanced PCM. <i>European Physical Journal Plus</i> , 2019 , 134, 1	3.1	15
124	An optimal analysis for Darcy-Forchheimer three-dimensional Williamson nanofluid flow over a stretching surface with convective conditions. <i>Advances in Mechanical Engineering</i> , 2019 , 11, 168781401983351	1.2	15
123	The Renewable Energy Source Selection by Remoteness Index-Based VIKOR Method for Generalized Intuitionistic Fuzzy Soft Sets. <i>Symmetry</i> , 2020 , 12, 977	2.7	15
122	A comprehensive study to the assessment of Arrhenius activation energy and binary chemical reaction in swirling flow. <i>Scientific Reports</i> , 2020 , 10, 7868	4.9	15

121	Influence of nanoparticles inclusion into water on convective magneto hydrodynamic flow with heat transfer and entropy generation through permeable domain. <i>Case Studies in Thermal Engineering</i> , 2020 , 21, 100732	5.6	15
120	Study of the Couple Stress Convective Micropolar Fluid Flow in a Hall MHD Generator System. <i>Frontiers in Physics</i> , 2019 , 7,	3.9	15
119	Mathematical modeling and study of MHD flow of Williamson nanofluid over a nonlinear stretching plate with activation energy. <i>Heat Transfer</i> , 2021 , 50, 2558-2570	3.1	15
118	Simulation of entropy optimization and thermal behavior of nanofluid through the porous media. <i>International Communications in Heat and Mass Transfer</i> , 2021 , 120, 105039	5.8	15
117	Numerical modeling on hybrid nanofluid (Fe ₃ O ₄ +MWCNT/H ₂ O) migration considering MHD effect over a porous cylinder. <i>PLoS ONE</i> , 2021 , 16, e0251744	3.7	15
116	Magneto-Burgers Nanofluid Stratified Flow with Swimming Motile Microorganisms and Dual Variables Conductivity Configured by a Stretching Cylinder/Plate. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-16	1.1	15
115	Magnetohydrodynamic CNTs Casson Nanofluid and Radiative heat transfer in a Rotating Channels 2018 , 1, 017-032		14
114	Analysis of boundary layer MHD Darcy-Forchheimer radiative nanofluid flow with sores and dufour effects by means of marangoni convection. <i>Case Studies in Thermal Engineering</i> , 2021 , 23, 100792	5.6	14
113	Influence of Brownian motion and thermophoresis parameters on silver-based Di-Hydrogen CNTs between two stretchable rotating disks. <i>Physica Scripta</i> , 2021 , 96, 055205	2.6	14
112	Impact of Thermal Radiation and Heat Source/Sink on MHD Time-Dependent Thin-Film Flow of Oldroyd-B, Maxwell, and Jeffery Fluids over a Stretching Surface. <i>Processes</i> , 2019 , 7, 191	2.9	13
111	Optimization Based Methods for Solving the Equilibrium Problems with Applications in Variational Inequality Problems and Solution of Nash Equilibrium Models. <i>Mathematics</i> , 2020 , 8, 822	2.3	13
110	Hall Effect on Radiative Casson Fluid Flow with Chemical Reaction on a Rotating Cone through Entropy Optimization. <i>Entropy</i> , 2020 , 22,	2.8	13
109	Impact of Thermal Radiation on Magnetohydrodynamic Unsteady Thin Film Flow of Sisko Fluid over a Stretching Surface. <i>Processes</i> , 2019 , 7, 369	2.9	13
108	A convective flow of Williamson nanofluid through cone and wedge with non-isothermal and non-isosolutal conditions: A revised Buongiorno model. <i>Case Studies in Thermal Engineering</i> , 2021 , 24, 100869	5.6	13
107	An assessment of the mathematical model for estimating of entropy optimized viscous fluid flow towards a rotating cone surface. <i>Scientific Reports</i> , 2021 , 11, 10259	4.9	13
106	Soft computing paradigm for Ferrofluid by exponentially stretched surface in the presence of magnetic dipole and heat transfer. <i>AEJ - Alexandria Engineering Journal</i> , 2021 ,	6.1	12
105	Study of mathematical model of Hepatitis B under Caputo-Fabrizio derivative. <i>AIMS Mathematics</i> , 2021 , 6, 195-209	2.2	12
104	On fractional order model of tumor dynamics with drug interventions under nonlocal fractional derivative. <i>Results in Physics</i> , 2021 , 21, 103783	3.7	12

103	Recent Advances in the Application of Differential Equations in Mechanical Engineering Problems. <i>Mathematical Problems in Engineering</i> , 2018 , 2018, 1-3	1.1	12
102	Mathematical Modeling and numerical simulation for nanofluid flow with entropy optimization. <i>Case Studies in Thermal Engineering</i> , 2021 , 26, 101198	5.6	12
101	Impact of nanoparticles shape and radiation on the behavior of nanofluid under the Lorentz forces. <i>Case Studies in Thermal Engineering</i> , 2021 , 26, 101161	5.6	12
100	Unsteady Radiative Natural Convective MHD Nanofluid Flow Past a Porous Moving Vertical Plate with Heat Source/Sink. <i>Molecules</i> , 2020 , 25,	4.8	11
99	Modeling of entropy optimization for hybrid nanofluid MHD flow through a porous annulus involving variation of Bejan number. <i>Scientific Reports</i> , 2020 , 10, 12821	4.9	11
98	Heat transfer of a hybrid nanofluid past a circular cylinder in the presence of thermal radiation and viscous dissipation. <i>AIP Advances</i> , 2020 , 10, 095208	1.5	11
97	Fractional Dynamics of HIV with Source Term for the Supply of New CD4 T-Cells Depending on the Viral Load via Caputo-Fabrizio Derivative. <i>Molecules</i> , 2021 , 26,	4.8	11
96	Second-order slip effect on bio-convectational viscoelastic nanofluid flow through a stretching cylinder with swimming microorganisms and melting phenomenon. <i>Scientific Reports</i> , 2021 , 11, 11208	4.9	11
95	On nonlinear classical and fractional order dynamical system addressing COVID-19. <i>Results in Physics</i> , 2021 , 24, 104069	3.7	11
94	Significance of Shape Factor in Heat Transfer Performance of Molybdenum-Disulfide Nanofluid in Multiple Flow Situations; A Comparative Fractional Study. <i>Molecules</i> , 2021 , 26,	4.8	11
93	Peristaltic Propulsion of Jeffrey Nanofluid with Thermal Radiation and Chemical Reaction Effects. <i>Inventions</i> , 2019 , 4, 68	2.9	11
92	Slip and Hall Effects on Peristaltic Rheology of Copper-Water Nanomaterial Through Generalized Complaint Walls With Variable Viscosity. <i>Frontiers in Physics</i> , 2020 , 7,	3.9	10
91	Darcy-Boussinesq Model of Cilia-Assisted Transport of a Non-Newtonian Magneto-Biofluid with Chemical Reactions. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1137	2.6	10
90	Insight into the dynamics of second grade hybrid radiative nanofluid flow within the boundary layer subject to Lorentz force. <i>Scientific Reports</i> , 2021 , 11, 4894	4.9	10
89	Impact of activation energy on hyperbolic tangent nanofluid with mixed convection rheology and entropy optimization. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 60, 1123-1135	6.1	10
88	Three-dimensional magnetohydrodynamic nanofluid thin-film flow with heat and mass transfer over an inclined porous rotating disk. <i>Advances in Mechanical Engineering</i> , 2019 , 11, 168781401986975	1.2	9
87	Theoretical Analysis of Cu-H ₂ O, Al ₂ O ₃ -H ₂ O, and TiO ₂ -H ₂ O Nanofluid Flow Past a Rotating Disk with Velocity Slip and Convective Conditions. <i>Journal of Nanomaterials</i> , 2021 , 2021, 1-10	3.2	9
86	Unsteady Ferrofluid Slip Flow in the Presence of Magnetic Dipole With Convective Boundary Conditions. <i>IEEE Access</i> , 2020 , 8, 138551-138562	3.5	9

85	Numerical simulation of the combined effects of thermophoretic motion and variable thermal conductivity on free convection heat transfer. <i>AIP Advances</i> , 2020 , 10, 085005	1.5	9
84	Unsteady thermal Maxwell power law nanofluid flow subject to forced thermal Marangoni Convection. <i>Scientific Reports</i> , 2021 , 11, 7521	4.9	9
83	Ab initio investigation of the physical properties of TI based chloroperovskites TiXCl_3 (X = Ca and Cd). <i>AIP Advances</i> , 2021 , 11, 015204	1.5	9
82	Thin Film Flow of Couple Stress Magneto-Hydrodynamics Nanofluid with Convective Heat over an Inclined Exponentially Rotating Stretched Surface. <i>Coatings</i> , 2020 , 10, 338	2.9	8
81	Fractional order mathematical modeling of typhoid fever disease. <i>Results in Physics</i> , 2022 , 32, 105044	3.7	8
80	Mathematical modeling of stagnation region nanofluid flow through Darcy-Forchheimer space taking into account inconsistent heat source/sink. <i>Journal of Applied Mathematics and Computing</i> , 2021 , 65, 713-734	1.8	8
79	Impact of Cattaneo-Christov heat flux on non-isothermal convective micropolar fluid flow in a hall MHD generator system. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 5452-5462	5.5	7
78	Entropy Generation in MHD Flow of Carbon Nanotubes in a Rotating Channel with Four Different Types of Molecular Liquids. <i>International Journal of Heat and Technology</i> , 2019 , 37, 509-519	2.2	7
77	Impact of thermal radiation and non-uniform heat flux on MHD hybrid nanofluid along a stretching cylinder. <i>Scientific Reports</i> , 2021 , 11, 20262	4.9	7
76	Hopf bifurcation and global dynamics of time delayed Dengue model. <i>Computer Methods and Programs in Biomedicine</i> , 2020 , 195, 105530	6.9	7
75	MHD Darcy-Forchheimer flow due to gyrotactic microorganisms of Casson nanoparticles over a stretched surface with convective boundary conditions. <i>Physica Scripta</i> , 2021 , 96, 015206	2.6	7
74	3D nanofluid flow over exponentially expanding surface of Oldroyd-B fluid. <i>Ain Shams Engineering Journal</i> , 2021 ,	4.4	7
73	CVFEM based numerical investigation and mathematical modeling of surface dependent magnetized copper-oxide nanofluid flow using new model of porous space. <i>Numerical Methods for Partial Differential Equations</i> , 2021 , 37, 1481-1494	2.5	7
72	MATHEMATICAL AND STABILITY ANALYSIS OF FRACTIONAL ORDER MODEL FOR SPREAD OF PESTS IN TEA PLANTS. <i>Fractals</i> , 2021 , 29, 2150008	3.2	7
71	Cattaneo-Christov theory for a time-dependent magnetohydrodynamic Maxwell fluid flow through a stretching cylinder. <i>Advances in Mechanical Engineering</i> , 2021 , 13, 168781402110301	1.2	7
70	Entropy optimization and heat transfer analysis in MHD Williamson nanofluid flow over a vertical Riga plate with nonlinear thermal radiation. <i>Scientific Reports</i> , 2021 , 11, 18386	4.9	7
69	Bidirectional flow of MHD nanofluid with Hall current and Cattaneo-Christove heat flux toward the stretching surface.. <i>PLoS ONE</i> , 2022 , 17, e0264208	3.7	7
68	Magnetohydrodynamic nanofluid radiative thermal behavior by means of Darcy law inside a porous media. <i>Scientific Reports</i> , 2019 , 9, 12765	4.9	6

67	HIV-1 infection dynamics and optimal control with Crowley-Martin function response. <i>Computer Methods and Programs in Biomedicine</i> , 2020 , 193, 105503	6.9	6
66	MHD stagnation point flow of hybrid nanofluid over a permeable cylinder with homogeneous and heterogenous reaction. <i>Physica Scripta</i> , 2021 , 96, 035201	2.6	6
65	Design of Backpropagated Intelligent Networks for Nonlinear Second-Order Lane-Emden Pantograph Delay Differential Systems. <i>Arabian Journal for Science and Engineering</i> , 1	2.5	6
64	Development of Dynamic Model and Analytical Analysis for the Diffusion of Different Species in Non-Newtonian Nanofluid Swirling Flow. <i>Frontiers in Physics</i> , 2021 , 8,	3.9	6
63	Nanofluid thin film flow of Sisko fluid and variable heat transfer over an unsteady stretching surface with external magnetic field. <i>Journal of Algorithms and Computational Technology</i> , 2019 , 13, 174830181983245	8.7	5
62	Entropy generation and nonlinear thermal radiation analysis on axisymmetric MHD Ellis nanofluid over a horizontally permeable stretching cylinder. <i>Waves in Random and Complex Media</i> , 1-15	1.9	5
61	Aflatoksin-B ₁ ile Lokal Sodyum Bentonitin'in Yumurtacı Tavukların Etim Performanslarına Etkileri. <i>Kafkas Üniversitesi Veteriner Fakültesi Dergisi</i> , 2016 ,	1.2	5
60	Soret, Dufour, and activation energy effects on double diffusive convective couple stress micropolar nanofluid flow in a Hall MHD generator system. <i>AIP Advances</i> , 2020 , 10, 075010	1.5	5
59	COMPARATIVE ANALYSIS OF NATURAL TRANSFORM DECOMPOSITION METHOD AND NEW ITERATIVE METHOD FOR FRACTIONAL FOAM DRAINAGE PROBLEM AND FRACTIONAL ORDER MODIFIED REGULARIZED LONG-WAVE EQUATION. <i>Fractals</i> , 2020 , 28, 2050124	3.2	5
58	Entropy optimization in MHD nanofluid flow over a curved exponentially stretching surface with binary chemical reaction and Arrhenius activation energy. <i>Journal of Physics Communications</i> , 2020 , 4, 075021	1.2	5
57	Heat transfer intensification of nanomaterial with involve of swirl flow device concerning entropy generation. <i>Scientific Reports</i> , 2021 , 11, 12504	4.9	5
56	The Intestinal Microbiota: Impacts of Antibiotics Therapy, Colonization Resistance, and Diseases. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	5
55	Hydrothermal analysis of nanoparticles transportation through a porous compound cavity utilizing two temperature model and radiation heat transfer under the effects of magnetic field. <i>Microsystem Technologies</i> , 2020 , 26, 333-344	1.7	5
54	Soret-Dufour impact on a three-dimensional Casson nanofluid flow with dust particles and variable characteristics in a permeable media. <i>Scientific Reports</i> , 2021 , 11, 14513	4.9	5
53	Evolution of fractional mathematical model for drinking under Atangana-Baleanu Caputo derivatives. <i>Physica Scripta</i> , 2021 , 96, 115203	2.6	5
52	Magnetized and non-magnetized Casson fluid flow with gyrotactic microorganisms over a stratified stretching cylinder. <i>Scientific Reports</i> , 2021 , 11, 16376	4.9	5
51	Thermal radiation, viscous dissipation, ohmic dissipation and mass transfer effects on unsteady hydromagnetic flow over a stretching surface. <i>Ain Shams Engineering Journal</i> , 2018 , 9, 1161-1168	4.4	4
50	Numerical study of the effect of magnetic field on Fe ₃ O ₄ /water ferrofluid convection with thermal radiation. <i>Engineering Computations</i> , 2018 , 35, 1855-1872	1.4	4

49	Influence of interfacial electrokinetic on MHD radiative nanofluid flow in a permeable microchannel with Brownian motion and thermophoresis effects. <i>Open Physics</i> , 2020 , 18, 726-737	1.3	4
48	Electromagnetohydrodynamic bioconvective flow of binary fluid containing nanoparticles and gyrotactic microorganisms through a stratified stretching sheet. <i>Scientific Reports</i> , 2021 , 11, 23159	4.9	4
47	MHD effect on nanofluid with energy and hydrothermal behavior between two collateral plates: Application of new semi analytical technique. <i>Thermal Science</i> , 2017 , 21, 2081-2093	1.2	4
46	Double Diffusion Non-Isothermal Thermo-Convective Flow of Couple Stress Micropolar Nanofluid Flow in a Hall MHD Generator System. <i>IEEE Access</i> , 2020 , 8, 78821-78835	3.5	4
45	COMPUTATIONAL MODELING AND THEORETICAL ANALYSIS OF NONLINEAR FRACTIONAL ORDER PREY-PREDATOR SYSTEM. <i>Fractals</i> , 2021 , 29, 2150001	3.2	4
44	Mesosopic Simulation for Magnetized Nanofluid Flow Within a Permeable 3D Tank. <i>IEEE Access</i> , 2021 , 1-1	3.5	4
43	NEW ITERATIVE TRANSFORM METHOD FOR TIME AND SPACE FRACTIONAL (n + 1)-DIMENSIONAL HEAT AND WAVE TYPE EQUATIONS. <i>Fractals</i> , 2021 , 29, 2150056	3.2	4
42	Numerical simulation for bioconvective flow of burger nanofluid with effects of activation energy and exponential heat source/sink over an inclined wall under the swimming microorganisms. <i>Scientific Reports</i> , 2021 , 11, 14305	4.9	4
41	Impact of Volume Fraction and Hall Effect on Two-Phase Radiative Dusty Nanofluid Flow Over a Stretching Sheet. <i>IEEE Access</i> , 2019 , 7, 138273-138287	3.5	3
40	Modeling and Analysis of Breast Cancer with Adverse Reactions of Chemotherapy Treatment through Fractional Derivative.. <i>Computational and Mathematical Methods in Medicine</i> , 2022 , 2022, 5636844	2.8	3
39	Effect of Thermal Radiation on Burgers Nano Fluid Flow Between Two Parallel Plates with Porous Medium in the Presence of Gyrotactic Micro-Organisms and Heat Generation/Absorption. <i>Journal of Nanofluids</i> , 2018 , 8, 957-969	2.2	3
38	A comparative analysis of MHD Casson and Maxwell flows past a stretching sheet with mixed convection and chemical reaction. <i>Waves in Random and Complex Media</i> , 1-16	1.9	3
37	A Bioconvection Model for Squeezing Flow between Parallel Plates Containing Gyrotactic Microorganisms with Impact of Thermal Radiation and Heat Generation/Absorption. <i>Journal of Advances in Mathematics and Computer Science</i> , 2018 , 27, 1-22	0.3	3
36	Solution of fractional-order integro-differential equations using optimal homotopy asymptotic method. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 146, 1421	4.1	3
35	Numerical study and stability of the Lengyel-Epstein chemical model with diffusion. <i>Advances in Difference Equations</i> , 2020 , 2020,	3.6	3
34	Axisymmetric mixed convective propulsion of a non-Newtonian fluid through a ciliated tubule. <i>AIP Advances</i> , 2020 , 10, 055214	1.5	2
33	Mathematical and Engineering Aspects of Chemically Reactive Tangent Hyperbolic Nanofluid over a Cone and Plate with Mixed Convection. <i>Mathematical Problems in Engineering</i> , 2020 , 2020, 1-11	1.1	2
32	Heat source and sink effects on periodic mixed convection flow along the electrically conducting cone inserted in porous medium.. <i>PLoS ONE</i> , 2021 , 16, e0260845	3.7	2

31	Study of Slip Effects in Reverse Roll Coating Process Using Non-Isothermal Couple Stress Fluid. <i>Coatings</i> , 2021 , 11, 1249	2.9	2
30	Optimal control application to the epidemiology of HBV and HCV co-infection. <i>International Journal of Biomathematics</i> ,	1.8	2
29	A Meshless Method Based on the Laplace Transform for the 2D Multi-Term Time Fractional Partial Integro-Differential Equation. <i>Mathematics</i> , 2020 , 8, 1972	2.3	2
28	Radiative MHD unsteady Casson fluid flow with heat source/sink through a vertical channel suspended in porous medium subject to generalized boundary conditions. <i>Physica Scripta</i> , 2021 , 96, 075213	2.6	2
27	Modelling and numerical computation for flow of micropolar fluid towards an exponential curved surface: a Keller box method. <i>Scientific Reports</i> , 2021 , 11, 16351	4.9	2
26	Analytical Simulation for Magnetohydrodynamic Maxwell Fluid Flow Past an Exponentially Stretching Surface with First-Order Velocity Slip Condition. <i>Coatings</i> , 2021 , 11, 1009	2.9	2
25	Double Slip Effects and Heat Transfer Characteristics for Channel Transport of Engine Oil With Titanium and Aluminum Alloy Nanoparticles: A Fractional Study. <i>IEEE Access</i> , 2021 , 9, 52036-52052	3.5	2
24	Mathematical Modelling of Ree-Eyring Nanofluid Using Koo-Kleinstreuer and Cattaneo-Christov Models on Chemically Reactive AA7072-AA7075 Alloys over a Magnetic Dipole Stretching Surface. <i>Coatings</i> , 2022 , 12, 391	2.9	2
23	Modeling the dynamics of tumor-immune cells interactions via fractional calculus. <i>European Physical Journal Plus</i> , 2022 , 137, 1	3.1	2
22	A Comparative Analysis of the Performance of Magnetized Copper-Copper Oxide/Water and Copper-Copper Oxide/Kerosene Oil Hybrid Nanofluids Flowing Through an Extending Surface with Velocity Slips and Thermal Convective Conditions. <i>International Journal of Ambient Energy</i> , 2020 , 41, 50-52	2	2
21	Entropy Optimization on Axisymmetric Darcy-Borchheimer Powell-Eyring Nanofluid over a Horizontally Stretching Cylinder with Viscous Dissipation Effect. <i>Coatings</i> , 2022 , 12, 749	2.9	2
20	Application of New Iterative Method to Time Fractional Whitham-Broer-Kaup Equations. <i>Frontiers in Physics</i> , 2020 , 8,	3.9	1
19	Flow in a two dimensional channel with deforming and peristaltically moving walls. <i>SN Applied Sciences</i> , 2019 , 1, 1	1.8	1
18	Investigation of enhancement in the thermal response of phase change materials through nano powders. <i>Case Studies in Thermal Engineering</i> , 2021 , 29, 101654	5.6	1
17	Numerical Analysis of Cu + Al ₂ O ₃ . <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-12	1.1	1
16	A robust study to conceptualize the interactions of CD4+T-cells and human immunodeficiency virus via fractional-calculus. <i>Physica Scripta</i> ,	2.6	1
15	Analysis and modeling of fractional electro-osmotic ramped flow of chemically reactive and heat absorptive/generative Walters' B fluid with ramped heat and mass transfer rates. <i>AIMS Mathematics</i> , 2021 , 6, 5942-5976	2.2	1
14	Soret and Dufour effects on a Casson nanofluid flow past a deformable cylinder with variable characteristics and Arrhenius activation energy. <i>Scientific Reports</i> , 2021 , 11, 19282	4.9	1

13	On unsteady 3D bio-convection flow of viscoelastic nanofluid with radiative heat transfer inside a solar collector plate.. <i>Scientific Reports</i> , 2022 , 12, 2952	4.9	1
12	Evaluating the Higher-Order Slip Consequence in Bioconvection Nanofluid Flow Configured by a Variable Thick Surface of Disk. <i>Journal of Nanomaterials</i> , 2022 , 2022, 1-13	3.2	1
11	Mathematical Modeling of Carreau Fluid Flow and Heat Transfer Characteristics in the Renal Tubule. <i>Journal of Mathematics</i> , 2022 , 2022, 1-14	1.2	1
10	Heat Transfer Analysis of the MHD Stagnation Point Flow of a Non-Newtonian Tangent Hyperbolic Hybrid Nanofluid past a Non-Isothermal Flat Plate with Thermal Radiation Effect. <i>Journal of Nanomaterials</i> , 2022 , 2022, 1-12	3.2	1
9	Application of Arrhenius chemical process on unsteady mixed bio-convective flows of third-grade fluids having temperature-dependent in thermo-rheological properties. <i>Waves in Random and Complex Media</i> , 1-20	1.9	0
8	Numerical modeling of nanofluid exergy loss within tube with multi-helical tapes. <i>European Physical Journal Plus</i> , 2022 , 137, 1	3.1	0
7	Toxicity Risks of Nanomaterials Used in the Building Construction Materials 2021 , 1, 26-43		0
6	Stability analysis of multiple solutions in case of a stretched nanofluid flow obeying Corcione's correlation: An extended Darcy model. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2021 , 101, e202000172	1	0
5	Nanomechanical Concepts in Magnetically Guided Systems to Investigate the Magnetic Dipole Effect on Ferromagnetic Flow Past a Vertical Cone Surface. <i>Coatings</i> , 2021 , 11, 1129	2.9	0
4	Mixed convective flow of blood biofluids containing magnetite ferroparticles past a vertical flat plate: shapes-based analysis. <i>Waves in Random and Complex Media</i> , 1-25	1.9	0
3	An optimal analysis for magnetohydrodynamics Darcy-Forchheimer boundary layer radiative flow past a porous medium. <i>Computational and Mathematical Methods</i> , 2020 , e1136	0.9	
2	Solar LFR system with new cavity reflector employing DO model. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , e202000226	1	
1	Hall effect on the entropy optimization of radiative magnetized Jeffrey nanofluid flow with homogeneous and heterogeneous reaction by rotating stretching disk. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 095440892110655	1.5	