Zahir Shah

List of Publications by Year in Descending Order

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	Numerical modeling of nanofluid exergy loss within tube with multi-helical tapes. *European Physical Journal Plus*, **2022**, 137, 1	3.1	0
263	Modeling and Analysis of Breast Cancer with Adverse Reactions of Chemotherapy Treatment through Fractional Derivative.. *Computational and Mathematical Methods in Medicine*, **2022**, 2022, 5636844	2.8	3
262	Fractional order mathematical modeling of typhoid fever disease. *Results in Physics*, **2022**, 32, 105044	3.7	8
261	On unsteady 3D bio-convection flow of viscoelastic nanofluid with radiative heat transfer inside a solar collector plate.. *Scientific Reports*, **2022**, 12, 2952	4.9	1
260	Evaluating the Higher-Order Slip Consequence in Bioconvection Nanofluid Flow Configured by a Variable Thick Surface of Disk. *Journal of Nanomaterials*, **2022**, 2022, 1-13	3.2	1
259	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. *Coatings*, **2022**, 12, 391	2.9	2
258	Modeling the dynamics of tumor–immune cells interactions via fractional calculus. *European Physical Journal Plus*, **2022**, 137, 1	3.1	2
257	Bidirectional flow of MHD nanofluid with Hall current and Cattaneo-Christove heat flux toward the stretching surface.. *PLoS ONE*, **2022**, 17, e0264208	3.7	7
256	Mathematical Modeling of Carreau Fluid Flow and Heat Transfer Characteristics in the Renal Tubule. *Journal of Mathematics*, **2022**, 2022, 1-14	1.2	1
255	Entropy Optimization on Axisymmetric Darcy–Forchheimer Powell–Eyring Nanofluid over a Horizontally Stretching Cylinder with Viscous Dissipation Effect. *Coatings*, **2022**, 12, 749	2.9	2
254	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. *Journal of Nanomaterials*, **2022**, 2022, 1-12	3.2	1
253	Heat source and sink effects on periodic mixed convection flow along the electrically conducting cone inserted in porous medium.. *PLoS ONE*, **2021**, 16, e0260845	3.7	2
252	Energy, Financial, and Environmental Investigation of a Direct Steam Production Power Plant Driven by Linear Fresnel Solar Reflectors. *Journal of Solar Energy Engineering, Transactions of the ASME*, **2021**, 143,	2.3	17
251	Investigation of enhancement in the thermal response of phase change materials through nano powders. *Case Studies in Thermal Engineering*, **2021**, 29, 101654	5.6	1
250	Theoretical Analysis of Cu-H2O, Al2O3-H2O, and TiO2-H2O Nanofluid Flow Past a Rotating Disk with Velocity Slip and Convective Conditions. *Journal of Nanomaterials*, **2021**, 2021, 1-10	3.2	9
249	Electromagnetohydrodynamic bioconvective flow of binary fluid containing nanoparticles and gyrotactic microorganisms through a stratified stretching sheet. *Scientific Reports*, **2021**, 11, 23159	4.9	4
248	Numerical Analysis of Cu + Al 2 O 3. *Mathematical Problems in Engineering*, **2021**, 2021, 1-12	1.1	1

247	Impact of thermal radiation and non-uniform heat flux on MHD hybrid nanofluid along a stretching cylinder. *Scientific Reports*, **2021**, 11, 20262	4.9	7
246	Study of Slip Effects in Reverse Roll Coating Process Using Non-Isothermal Couple Stress Fluid. *Coatings*, **2021**, 11, 1249	2.9	2
245	MHD Darcy-Forchheimer flow due to gyrotactic microorganisms of Casson nanoparticles over a stretched surface with convective boundary conditions. *Physica Scripta*, **2021**, 96, 015206	2.6	7
244	MHD stagnation point flow of hybrid nanofluid over a permeable cylinder with homogeneous and heterogenous reaction. *Physica Scripta*, **2021**, 96, 035201	2.6	6
243	Fractional Dynamics of HIV with Source Term for the Supply of New CD4 T-Cells Depending on the Viral Load via Caputo-Fabrizio Derivative. *Molecules*, **2021**, 26,	4.8	11
242	Insight into the dynamics of second grade hybrid radiative nanofluid flow within the boundary layer subject to Lorentz force. *Scientific Reports*, **2021**, 11, 4894	4.9	10
241	3D nanofluid flow over exponentially expanding surface of Oldroyd-B fluid. *Ain Shams Engineering Journal*, **2021**,	4.4	7
240	A convective flow of Williamson nanofluid through cone and wedge with non-isothermal and non-isosolutal conditions: A revised Buongiorno model. *Case Studies in Thermal Engineering*, **2021**, 24, 100869	5.6	13
239	Toxicity Risks of Nanomaterials Used in the Building Construction Materials **2021**, 1, 26-43		0
238	Unsteady thermal Maxwell power law nanofluid flow subject to forced thermal Marangoni Convection. *Scientific Reports*, **2021**, 11, 7521	4.9	9
237	A stochastic numerical analysis based on hybrid NAR-RBFs networks nonlinear SITR model for novel COVID-19 dynamics. *Computer Methods and Programs in Biomedicine*, **2021**, 202, 105973	6.9	58
236	Second-order slip effect on bio-convectional viscoelastic nanofluid flow through a stretching cylinder with swimming microorganisms and melting phenomenon. *Scientific Reports*, **2021**, 11, 11208	4.9	11
235	An assessment of the mathematical model for estimating of entropy optimized viscous fluid flow towards a rotating cone surface. *Scientific Reports*, **2021**, 11, 10259	4.9	13
234	Radiative MHD unsteady Casson fluid flow with heat source/sink through a vertical channel suspended in porous medium subject to generalized boundary conditions. *Physica Scripta*, **2021**, 96, 075213	2.6	2
233	On nonlinear classical and fractional order dynamical system addressing COVID-19. *Results in Physics*, **2021**, 24, 104069	3.7	11
232	Unsteady hybrid-nanofluid flow comprising ferrousoxide and CNTs through porous horizontal channel with dilating/squeezing walls. *Scientific Reports*, **2021**, 11, 12637	4.9	20
231	Nonlinear fractional mathematical model of tuberculosis (TB) disease with incomplete treatment under Atangana-Baleanu derivative. *AEJ - Alexandria Engineering Journal*, **2021**, 60, 2845-2856	6.1	22
230	Heat transfer intensification of nanomaterial with involve of swirl flow device concerning entropy generation. *Scientific Reports*, **2021**, 11, 12504	4.9	5

229	Joule heating in magnetohydrodynamic micropolar boundary layer flow past a stretching sheet with chemical reaction and microstructural slip. *Case Studies in Thermal Engineering*, **2021**, 25, 100870	5.6	18
228	The Intestinal Microbiota: Impacts of Antibiotics Therapy, Colonization Resistance, and Diseases. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	5
227	Significance of Shape Factor in Heat Transfer Performance of Molybdenum-Disulfide Nanofluid in Multiple Flow Situations; A Comparative Fractional Study. *Molecules*, **2021**, 26,	4.8	11
226	Soft computing paradigm for Ferrofluid by exponentially stretched surface in the presence of magnetic dipole and heat transfer. *AEJ - Alexandria Engineering Journal*, **2021**,	6.1	12
225	Entropy generation on magneto-convective flow of copper water nanofluid in a cavity with chamfers. *Journal of Thermal Analysis and Calorimetry*, **2021**, 143, 2203-2214	4.1	75
224	Entropy generation in electrical magnetohydrodynamic flow of Al2O3 Cu/H2O hybrid nanofluid with non-uniform heat flux. *Journal of Thermal Analysis and Calorimetry*, **2021**, 143, 2135-2148	4.1	33
223	Analysis of hybrid nanofluid behavior within a porous cavity including Lorentz forces and radiation impacts. *Journal of Thermal Analysis and Calorimetry*, **2021**, 143, 1129-1137	4.1	38
222	Stability analysis of multiple solutions in case of a stretched nanofluid flow obeying Corcione's correlation: An extended Darcy model. *ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik* , **2021**, 101, e202000172	1	0
221	Impact of activation energy on hyperbolic tangent nanofluid with mixed convection rheology and entropy optimization. *AEJ - Alexandria Engineering Journal*, **2021**, 60, 1123-1135	6.1	10
220	Mathematical modeling and study of MHD flow of Williamson nanofluid over a nonlinear stretching plate with activation energy. *Heat Transfer*, **2021**, 50, 2558-2570	3.1	15
219	Mathematical modeling of stagnation region nanofluid flow through Darcy Forchheimer space taking into account inconsistent heat source/sink. *Journal of Applied Mathematics and Computing*, **2021**, 65, 713-734	1.8	8
218	Bi-parametric distance and similarity measures of picture fuzzy sets and their applications in medical diagnosis. *Egyptian Informatics Journal*, **2021**, 22, 201-212	3.1	25
217	Simulation of entropy optimization and thermal behavior of nanofluid through the porous media. *International Communications in Heat and Mass Transfer*, **2021**, 120, 105039	5.8	15
216	CVFEM based numerical investigation and mathematical modeling of surface dependent magnetized copper-oxide nanofluid flow using new model of porous space. *Numerical Methods for Partial Differential Equations*, **2021**, 37, 1481-1494	2.5	7
215	MATHEMATICAL AND STABILITY ANALYSIS OF FRACTIONAL ORDER MODEL FOR SPREAD OF PESTS IN TEA PLANTS. *Fractals*, **2021**, 29, 2150008	3.2	7
214	COMPUTATIONAL MODELING AND THEORETICAL ANALYSIS OF NONLINEAR FRACTIONAL ORDER PREY PREDATOR SYSTEM. *Fractals*, **2021**, 29, 2150001	3.2	4
213	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. *AIMS Mathematics* , **2021**, 6, 5942-5976	2.2	1
212	Study of mathematical model of Hepatitis B under Caputo-Fabrizo derivative. *AIMS Mathematics*, **2021**, 6, 195-209	2.2	12

211	Mesoscopic Simulation for Magnetized Nanofluid Flow Within a Permeable 3D Tank. *IEEE Access*, **2021**, 1-1	3.5	4
210	Analysis of boundary layer MHD Darcy-Forchheimer radiative nanofluid flow with soret and dufour effects by means of marangoni convection. *Case Studies in Thermal Engineering*, **2021**, 23, 100792	5.6	14
209	Development of Dynamic Model and Analytical Analysis for the Diffusion of Different Species in Non-Newtonian Nanofluid Swirling Flow. *Frontiers in Physics*, **2021**, 8,	3.9	6
208	On fractional order model of tumor dynamics with drug interventions under nonlocal fractional derivative. *Results in Physics*, **2021**, 21, 103783	3.7	12
207	Influence of Brownian motion and thermophoresis parameters on silver-based Di-Hydrogen CNTs between two stretchable rotating disks. *Physica Scripta*, **2021**, 96, 055205	2.6	14
206	NEW ITERATIVE TRANSFORM METHOD FOR TIME AND SPACE FRACTIONAL (n + 1)-DIMENSIONAL HEAT AND WAVE TYPE EQUATIONS. *Fractals*, **2021**, 29, 2150056	3.2	4
205	Cattaneo□Christov theory for a time-dependent magnetohydrodynamic Maxwell fluid flow through a stretching cylinder. *Advances in Mechanical Engineering*, **2021**, 13, 168781402110301	1.2	7
204	Numerical simulation for bioconvectional flow of burger nanofluid with effects of activation energy and exponential heat source/sink over an inclined wall under the swimming microorganisms. *Scientific Reports*, **2021**, 11, 14305	4.9	4
203	Numerical modeling on hybrid nanofluid (Fe3O4+MWCNT/H2O) migration considering MHD effect over a porous cylinder. *PLoS ONE*, **2021**, 16, e0251744	3.7	15
202	Soret-Dufour impact on a three-dimensional Casson nanofluid flow with dust particles and variable characteristics in a permeable media. *Scientific Reports*, **2021**, 11, 14513	4.9	5
201	Evolution of fractional mathematical model for drinking under Atangana-Baleanu Caputo derivatives. *Physica Scripta*, **2021**, 96, 115203	2.6	5
200	Modelling and numerical computation for flow of micropolar fluid towards an exponential curved surface: a Keller box method. *Scientific Reports*, **2021**, 11, 16351	4.9	2
199	Magnetized and non-magnetized Casson fluid flow with gyrotactic microorganisms over a stratified stretching cylinder. *Scientific Reports*, **2021**, 11, 16376	4.9	5
198	Mathematical Modeling and numerical simulation for nanofluid flow with entropy optimization. *Case Studies in Thermal Engineering*, **2021**, 26, 101198	5.6	12
197	Impact of nanoparticles shape and radiation on the behavior of nanofluid under the Lorentz forces. *Case Studies in Thermal Engineering*, **2021**, 26, 101161	5.6	12
196	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. *AEJ - Alexandria Engineering Journal*, **2021**, 60, 3605-3619	6.1	36
195	Analytical Simulation for Magnetohydrodynamic Maxwell Fluid Flow Past an Exponentially Stretching Surface with First-Order Velocity Slip Condition. *Coatings*, **2021**, 11, 1009	2.9	2
194	Entropy optimization and heat transfer analysis in MHD Williamson nanofluid flow over a vertical Riga plate with nonlinear thermal radiation. *Scientific Reports*, **2021**, 11, 18386	4.9	7

193	Soret and Dufour effects on a Casson nanofluid flow past a deformable cylinder with variable characteristics and Arrhenius activation energy. *Scientific Reports*, **2021**, 11, 19282	4.9	1
192	Nanomechanical Concepts in Magnetically Guided Systems to Investigate the Magnetic Dipole Effect on Ferromagnetic Flow Past a Vertical Cone Surface. *Coatings*, **2021**, 11, 1129	2.9	0
191	Double Slip Effects and Heat Transfer Characteristics for Channel Transport of Engine Oil With Titanium and Aluminum Alloy Nanoparticles: A Fractional Study. *IEEE Access*, **2021**, 9, 52036-52052	3.5	2
190	Magneto-Burgers Nanofluid Stratified Flow with Swimming Motile Microorganisms and Dual Variables Conductivity Configured by a Stretching Cylinder/Plate. *Mathematical Problems in Engineering*, **2021**, 2021, 1-16	1.1	15
189	Ab initio investigation of the physical properties of Tl based chloroperovskites TlXCl3 (X = Ca and Cd). *AIP Advances*, **2021**, 11, 015204	1.5	9
188	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. *Coatings*, **2020**, 10, 998	2.9	22
187	Heat and mass transfer together with hybrid nanofluid flow over a rotating disk. *AIP Advances*, **2020**, 10, 055317	1.5	65
186	Slip and Hall Effects on Peristaltic Rheology of Copper-Water Nanomaterial Through Generalized Complaint Walls With Variable Viscosity. *Frontiers in Physics*, **2020**, 7,	3.9	10
185	HIV-1 infection dynamics and optimal control with Crowley-Martin function response. *Computer Methods and Programs in Biomedicine*, **2020**, 193, 105503	6.9	6
184	Influences of Hall current and radiation on MHD micropolar non-Newtonian hybrid nanofluid flow between two surfaces. *AIP Advances*, **2020**, 10, 055015	1.5	25
183	Magnetic Dipole Impact on the Hybrid Nanofluid Flow over an Extending Surface. *Scientific Reports*, **2020**, 10, 8474	4.9	34
182	Lorentz force impact on hybrid nanofluid within a porous tank including entropy generation. *International Communications in Heat and Mass Transfer*, **2020**, 116, 104635	5.8	30
181	Unsteady MHD carbon nanotubes suspended nanofluid flow with thermal stratification and nonlinear thermal radiation. *AEJ - Alexandria Engineering Journal*, **2020**, 59, 1557-1566	6.1	21
180	Optimization Based Methods for Solving the Equilibrium Problems with Applications in Variational Inequality Problems and Solution of Nash Equilibrium Models. *Mathematics*, **2020**, 8, 822	2.3	13
179	. *IEEE Transactions on Transportation Electrification*, **2020**, 6, 519-529	7.6	16
178	Radiative MHD Casson Nanofluid Flow with Activation energy and chemical reaction over past nonlinearly stretching surface through Entropy generation. *Scientific Reports*, **2020**, 10, 4402	4.9	91
177	Application of New Iterative Method to Time Fractional WhithamBroerKaup Equations. *Frontiers in Physics*, **2020**, 8,	3.9	1
176	Implementation of the One-Step One-Hybrid Block Method on the Nonlinear Equation of a Circular Sector Oscillator. *Computational Mathematics and Modeling*, **2020**, 31, 116-132	0.5	41

175	The Renewable Energy Source Selection by Remoteness Index-Based VIKOR Method for Generalized Intuitionistic Fuzzy Soft Sets. *Symmetry*, **2020**, 12, 977	2.7	15
174	Non Pharmaceutical Interventions for Optimal Control of COVID-19. *Computer Methods and Programs in Biomedicine*, **2020**, 196, 105642	6.9	29
173	Entropy generation optimization in MHD pseudoplastic fluid comprising motile microorganisms with stratification effect. *AEJ - Alexandria Engineering Journal*, **2020**, 59, 485-496	6.1	33
172	Entropy optimization and heat transfer modeling for Lorentz forces effect on solidification of NEPCM. *International Communications in Heat and Mass Transfer*, **2020**, 117, 104715	5.8	19
171	A comprehensive study to the assessment of Arrhenius activation energy and binary chemical reaction in swirling flow. *Scientific Reports*, **2020**, 10, 7868	4.9	15
170	Axisymmetric mixed convective propulsion of a non-Newtonian fluid through a ciliated tubule. *AIP Advances*, **2020**, 10, 055214	1.5	2
169	Impact of magnetic field on boundary-layer flow of Sisko liquid comprising nanomaterials migration through radially shrinking/stretching surface with zero mass flux. *Journal of Materials Research and Technology*, **2020**, 9, 3699-3709	5.5	16
168	DarcyBoussinesq Model of Cilia-Assisted Transport of a Non-Newtonian Magneto-Biofluid with Chemical Reactions. *Applied Sciences (Switzerland)*, **2020**, 10, 1137	2.6	10
167	MHD Effects on Ciliary-Induced Peristaltic Flow Coatings with Rheological Hybrid Nanofluid. *Coatings*, **2020**, 10, 186	2.9	39
166	Unsteady Radiative Natural Convective MHD Nanofluid Flow Past a Porous Moving Vertical Plate with Heat Source/Sink. *Molecules*, **2020**, 25,	4.8	11
165	Brownian Motion and Thermophoresis Effects on MHD Three Dimensional Nanofluid Flow with Slip Conditions and Joule Dissipation Due to Porous Rotating Disk. *Molecules*, **2020**, 25,	4.8	25
164	Impact of Cattaneo-Christov heat flux on non-isothermal convective micropolar fluid flow in a hall MHD generator system. *Journal of Materials Research and Technology*, **2020**, 9, 5452-5462	5.5	7
163	Mathematical and Engineering Aspects of Chemically Reactive Tangent Hyperbolic Nanofluid over a Cone and Plate with Mixed Convection. *Mathematical Problems in Engineering*, **2020**, 2020, 1-11	1.1	2
162	Darcy-Forchheimer MHD Hybrid Nanofluid Flow and Heat Transfer Analysis over a Porous Stretching Cylinder. *Coatings*, **2020**, 10, 391	2.9	25
161	Hall Effect on Radiative Casson Fluid Flow with Chemical Reaction on a Rotating Cone through Entropy Optimization. *Entropy*, **2020**, 22,	2.8	13
160	Entropy Generation in MHD Second-Grade Nanofluid Thin Film Flow Containing CNTs with Cattaneo-Christov Heat Flux Model Past an Unsteady Stretching Sheet. *Applied Sciences (Switzerland)*, **2020**, 10, 2720	2.6	24
159	Distance and Similarity Measures for Spherical Fuzzy Sets and Their Applications in Selecting Mega Projects. *Mathematics*, **2020**, 8, 519	2.3	33
158	Thin Film Flow of Couple Stress Magneto-Hydrodynamics Nanofluid with Convective Heat over an Inclined Exponentially Rotating Stretched Surface. *Coatings*, **2020**, 10, 338	2.9	8

157	Investigation of entropy generation in stratified MHD Carreau nanofluid with gyrotactic microorganisms under Von Neumann similarity transformations. *European Physical Journal Plus*, **2020**, 135, 1	3.1	21
156	Influence of interfacial electrokinetic on MHD radiative nanofluid flow in a permeable microchannel with Brownian motion and thermophoresis effects. *Open Physics*, **2020**, 18, 726-737	1.3	4
155	Hopf bifurcation and global dynamics of time delayed Dengue model. *Computer Methods and Programs in Biomedicine*, **2020**, 195, 105530	6.9	7
154	Micropolar gold blood nanofluid flow and radiative heat transfer between permeable channels. *Computer Methods and Programs in Biomedicine*, **2020**, 186, 105197	6.9	33
153	Influence of Cattaneo-Christov model on Darcy-Forchheimer flow of Micropolar Ferrofluid over a stretching/shrinking sheet. *International Communications in Heat and Mass Transfer*, **2020**, 110, 104385	5.8	41
152	Influences of electrical MHD and Hall current on squeezing nanofluid flow inside rotating porous plates with viscous and joule dissipation effects. *Journal of Thermal Analysis and Calorimetry*, **2020**, 140, 1215-1227	4.1	34
151	Influence of nanoparticles inclusion into water on convective magneto hydrodynamic flow with heat transfer and entropy generation through permeable domain. *Case Studies in Thermal Engineering*, **2020**, 21, 100732	5.6	15
150	Soret, Dufour, and activation energy effects on double diffusive convective couple stress micropolar nanofluid flow in a Hall MHD generator system. *AIP Advances*, **2020**, 10, 075010	1.5	5
149	COMPARATIVE ANALYSIS OF NATURAL TRANSFORM DECOMPOSITION METHOD AND NEW ITERATIVE METHOD FOR FRACTIONAL FOAM DRAINAGE PROBLEM AND FRACTIONAL ORDER MODIFIED REGULARIZED LONG-WAVE EQUATION. *Fractals*, **2020**, 28, 2050124	3.2	5
148	Cattaneo-Christov Heat Flux Model for Second Grade Nanofluid Flow with Hall Effect through Entropy Generation over Stretchable Rotating Disk. *Coatings*, **2020**, 10, 610	2.9	16
147	Entropy optimization in MHD nanofluid flow over a curved exponentially stretching surface with binary chemical reaction and Arrhenius activation energy. *Journal of Physics Communications*, **2020**, 4, 075021	1.2	5
146	An optimal analysis for magnetohydrodynamics Darcy-Forchheimer boundary layer radiative flow past a porous medium. *Computational and Mathematical Methods*, **2020**, e1136	0.9	
145	Chemically reactive MHD micropolar nanofluid flow with velocity slips and variable heat source/sink. *Scientific Reports*, **2020**, 10, 20926	4.9	20
144	A Meshless Method Based on the Laplace Transform for the 2D Multi-Term Time Fractional Partial Integro-Differential Equation. *Mathematics*, **2020**, 8, 1972	2.3	2
143	Entropy optimization in Darcy–Forchheimer MHD flow of water based copper and silver nanofluids with Joule heating and viscous dissipation effects. *AIP Advances*, **2020**, 10, 065137	1.5	27
142	Entropy generation in MHD Casson fluid flow with variable heat conductance and thermal conductivity over non-linear bi-directional stretching surface. *Scientific Reports*, **2020**, 10, 12530	4.9	33
141	Solution of fractional-order integro-differential equations using optimal homotopy asymptotic method. *Journal of Thermal Analysis and Calorimetry*, **2020**, 146, 1421	4.1	3
140	Modeling of entropy optimization for hybrid nanofluid MHD flow through a porous annulus involving variation of Bejan number. *Scientific Reports*, **2020**, 10, 12821	4.9	11

139	Design of Neural Network With Levenberg-Marquardt and Bayesian Regularization Backpropagation for Solving Pantograph Delay Differential Equations. *IEEE Access*, **2020**, 8, 137918-137933	3.5	47
138	Unsteady Ferrofluid Slip Flow in the Presence of Magnetic Dipole With Convective Boundary Conditions. *IEEE Access*, **2020**, 8, 138551-138562	3.5	9
137	Onset of gyrotactic microorganisms in MHD Micropolar nanofluid flow with partial slip and double stratification. *Journal of King Saud University - Science*, **2020**, 32, 2741-2751	3.6	29
136	Numerical simulation of the combined effects of thermophoretic motion and variable thermal conductivity on free convection heat transfer. *AIP Advances*, **2020**, 10, 085005	1.5	9
135	Entropy generation and thermal analysis for rotary motion of hydromagnetic Casson nanofluid past a rotating cylinder with Joule heating effect. *International Communications in Heat and Mass Transfer*, **2020**, 119, 104979	5.8	31
134	Radiative mixed convection flow of maxwell nanofluid over a stretching cylinder with joule heating and heat source/sink effects. *Scientific Reports*, **2020**, 10, 17823	4.9	23
133	Numerical investigation for rotating flow of MHD hybrid nanofluid with thermal radiation over a stretching sheet. *Scientific Reports*, **2020**, 10, 18533	4.9	59
132	Numerical study and stability of the Lengyel–Epstein chemical model with diffusion. *Advances in Difference Equations*, **2020**, 2020,	3.6	3
131	Heat transfer of a hybrid nanofluid past a circular cylinder in the presence of thermal radiation and viscous dissipation. *AIP Advances*, **2020**, 10, 095208	1.5	11
130	Hydrothermal analysis of nanoparticles transportation through a porous compound cavity utilizing two temperature model and radiation heat transfer under the effects of magnetic field. *Microsystem Technologies*, **2020**, 26, 333-344	1.7	5
129	Double Diffusion Non-Isothermal Thermo-Convective Flow of Couple Stress Micropolar Nanofluid Flow in a Hall MHD Generator System. *IEEE Access*, **2020**, 8, 78821-78835	3.5	4
128	Numerical investigation of MHD nanomaterial convective migration and heat transfer within a sinusoidal porous cavity. *Physica Scripta*, **2019**, 94, 115225	2.6	19
127	Impact of Volume Fraction and Hall Effect on Two-Phase Radiative Dusty Nanofluid Flow Over a Stretching Sheet. *IEEE Access*, **2019**, 7, 138273-138287	3.5	3
126	Darcy–Forchheimer MHD Couple Stress 3D Nanofluid over an Exponentially Stretching Sheet through Cattaneo–Christov Convective Heat Flux with Zero Nanoparticles Mass Flux Conditions. *Entropy*, **2019**, 21, 867	2.8	27
125	Magnetohydrodynamic nanofluid radiative thermal behavior by means of Darcy law inside a porous media. *Scientific Reports*, **2019**, 9, 12765	4.9	6
124	Darcy–Forchheimer Radiative Flow of Micropoler CNT Nanofluid in Rotating Frame with Convective Heat Generation/Consumption. *Processes*, **2019**, 7, 666	2.9	18
123	Hall and Ion-Slip Effect on CNTS Nanofluid over a Porous Extending Surface through Heat Generation and Absorption. *Entropy*, **2019**, 21,	2.8	19
122	Impact of thermal radiation on electrical MHD rotating flow of Carbon nanotubes over a stretching sheet. *AIP Advances*, **2019**, 9, 015115	1.5	59

121	Darcy Forchheimer nanofluid thin film flow of SWCNTs and heat transfer analysis over an unsteady stretching sheet. *AIP Advances*, **2019**, 9, 015223	1.5	44
120	Unsteady squeezing flow of magnetohydrodynamic carbon nanotube nanofluid in rotating channels with entropy generation and viscous dissipation. *Advances in Mechanical Engineering*, **2019** , 11, 168781401882310	1.2	34
119	Nanofluids Thin Film Flow of Reiner-Philippoff Fluid over an Unstable Stretching Surface with Brownian Motion and Thermophoresis Effects. *Coatings*, **2019**, 9, 21	2.9	39
118	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. *Advances in Mechanical Engineering*, **2019**, 11, 168781401985130	1.2	15
117	Three dimensional Darcy-Forchheimer radiated flow of single and multiwall carbon nanotubes over a rotating stretchable disk with convective heat generation and absorption. *AIP Advances*, **2019**, 9, 035031	1.5	21
116	Three-Dimensional Casson Nanofluid Thin Film Flow over an Inclined Rotating Disk with the Impact of Heat Generation/Consumption and Thermal Radiation. *Coatings*, **2019**, 9, 248	2.9	36
115	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. *Entropy*, **2019**, 21,	2.8	22
114	Hall Effect on Couple Stress 3D Nanofluid Flow Over an Exponentially Stretched Surface With Cattaneo Christov Heat Flux Model. *IEEE Access*, **2019**, 7, 64844-64855	3.5	38
113	Viscoelastic MHD Nanofluid Thin Film Flow over an Unsteady Vertical Stretching Sheet with Entropy Generation. *Processes*, **2019**, 7, 262	2.9	22
112	Impact of Nonlinear Thermal Radiation on MHD Nanofluid Thin Film Flow over a Horizontally Rotating Disk. *Applied Sciences (Switzerland)*, **2019**, 9, 1533	2.6	45
111	Influence of Cattaneo–Christov Heat Flux on MHD Jeffrey, Maxwell, and Oldroyd-B Nanofluids with Homogeneous-Heterogeneous Reaction. *Symmetry*, **2019**, 11, 439	2.7	25
110	Influence of Inclined Magnetic Field on Carreau Nanoliquid Thin Film Flow and Heat Transfer with Graphene Nanoparticles. *Energies*, **2019**, 12, 1459	3.1	40
109	Transient process in a finned triplex tube during phase changing of aluminum oxide enhanced PCM. *European Physical Journal Plus*, **2019**, 134, 1	3.1	15
108	Application of Electric Field for Augmentation of Ferrofluid Heat Transfer in an Enclosure Including Double Moving Walls. *IEEE Access*, **2019**, 7, 21048-21056	3.5	31
107	Nanofluid thin film flow of Sisko fluid and variable heat transfer over an unsteady stretching surface with external magnetic field. *Journal of Algorithms and Computational Technology*, **2019**, 13, 1748301819832455	0.7	5
106	An optimal analysis for Darcy–Forchheimer three-dimensional Williamson nanofluid flow over a stretching surface with convective conditions. *Advances in Mechanical Engineering*, **2019**, 11, 1687814019833511	1.2	15
105	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. *Symmetry*, **2019**, 11, 331	2.7	21
104	MHD Thin Film Flow and Thermal Analysis of Blood with CNTs Nanofluid. *Coatings*, **2019**, 9, 175	2.9	35

103	Entropy Generation in MHD Radiative Flow of CNTs Casson Nanofluid in Rotating Channels with Heat Source/Sink. *Mathematical Problems in Engineering*, **2019**, 2019, 1-14	1.1	47
102	Impact of Thermal Radiation and Heat Source/Sink on MHD Time-Dependent Thin-Film Flow of Oldroyed-B, Maxwell, and Jeffry Fluids over a Stretching Surface. *Processes*, **2019**, 7, 191	2.9	13
101	Radiative flow of magneto hydrodynamics single-walled carbon nanotube over a convectively heated stretchable rotating disk with velocity slip effect. *Advances in Mechanical Engineering*, **2019**, 11, 168781401982771	1.2	22
100	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. *Symmetry*, **2019**, 11, 207	2.7	39
99	Hall current and thermophoresis effects on magnetohydrodynamic mixed convective heat and mass transfer thin film flow. *Journal of Physics Communications*, **2019**, 3, 035009	1.2	30
98	Impact of Lorentz forces on Fe3O4-water ferrofluid entropy and exergy treatment within a permeable semi annulus. *Journal of Cleaner Production*, **2019**, 221, 885-898	10.3	129
97	On the convective heat and zero nanoparticle mass flux conditions in the flow of 3D MHD Couple Stress nanofluid over an exponentially stretched surface. *Scientific Reports*, **2019**, 9, 562	4.9	43
96	Radiative Heat and Mass Transfer Analysis of Micropolar Nanofluid Flow of Casson Fluid Between Two Rotating Parallel Plates With Effects of Hall Current. *Journal of Heat Transfer*, **2019**, 141,	1.8	117
95	Three-dimensional magnetohydrodynamic nanofluid thin-film flow with heat and mass transfer over an inclined porous rotating disk. *Advances in Mechanical Engineering*, **2019**, 11, 168781401986975	1.2	9
94	Flow of a Nanofluid and Heat Transfer in Channel With Contracting/Expanding Walls. *IEEE Access*, **2019**, 7, 102427-102436	3.5	17
93	Hall effect on Titania nanofluids thin film flow and radiative thermal behavior with different base fluids on an inclined rotating surface. *AIP Advances*, **2019**, 9, 055113	1.5	17
92	Influence of MHD on Thermal Behavior of Darcy-Forchheimer Nanofluid Thin Film Flow over a Nonlinear Stretching Disc. *Coatings*, **2019**, 9, 446	2.9	16
91	Entropy Generation Optimization in Squeezing Magnetohydrodynamics Flow of Casson Nanofluid with Viscous Dissipation and Joule Heating Effect. *Entropy*, **2019**, 21,	2.8	19
90	Impact of Thermal Radiation on Magnetohydrodynamic Unsteady Thin Film Flow of Sisko Fluid over a Stretching Surface. *Processes*, **2019**, 7, 369	2.9	13
89	Numerical Simulation of Magnetohydrodynamic Nanofluids Under the Influence of Shape Factor and Thermal Transport in a Porous Media Using CVFEM. *Frontiers in Physics*, **2019**, 7,	3.9	16
88	Entropy generation on MHD peristaltic flow of Cu-water nanofluid with slip conditions. *Heat Transfer - Asian Research*, **2019**, 48, 4301-4319	2.8	16
87	Flow in a two dimensional channel with deforming and peristaltically moving walls. *SN Applied Sciences*, **2019**, 1, 1	1.8	1
86	Heat Transfer Analysis of a Magneto-Bio-Fluid Transport with Variable Thermal Viscosity through a Vertical Ciliated Channel. *Symmetry*, **2019**, 11, 1240	2.7	20

85	Entropy Generation in MHD Flow of Carbon Nanotubes in a Rotating Channel with Four Different Types of Molecular Liquids. *International Journal of Heat and Technology*, **2019**, 37, 509-519	2.2	7
84	Entropy Generation in MHD Mixed Convection Non-Newtonian Second-Grade Nanoliquid Thin Film Flow through a Porous Medium with Chemical Reaction and Stratification. *Entropy*, **2019**, 21,	2.8	42
83	Uniform magnetic force impact on water based nanofluid thermal behavior in a porous enclosure with ellipse shaped obstacle. *Scientific Reports*, **2019**, 9, 1196	4.9	84
82	Entropy Generation of Carbon Nanotubes Flow in a Rotating Channel with Hall and Ion-Slip Effect Using Effective Thermal Conductivity Model. *Entropy*, **2019**, 21,	2.8	28
81	Peristaltic Propulsion of Jeffrey Nanofluid with Thermal Radiation and Chemical Reaction Effects. *Inventions*, **2019**, 4, 68	2.9	11
80	Exploration of temperature dependent thermophysical characteristics of yield exhibiting non-Newtonian fluid flow under gyrotactic microorganisms. *AIP Advances*, **2019**, 9, 125016	1.5	43
79	Study of the Couple Stress Convective Micropolar Fluid Flow in a Hall MHD Generator System. *Frontiers in Physics*, **2019**, 7,	3.9	15
78	Hydromagnetic mixed convective third grade nanomaterial containing gyrotactic microorganisms toward a horizontal stretched surface. *AEJ - Alexandria Engineering Journal*, **2019**, 58, 1421-1429	6.1	17
77	Optimization of entropy generation in flow of micropolar mixed convective magnetite (Fe3O4) ferroparticle over a vertical plate. *AEJ - Alexandria Engineering Journal*, **2019**, 58, 1461-1470	6.1	21
76	CFD Simulation of Water-Based Hybrid Nanofluid Inside a Porous Enclosure Employing Lorentz Forces. *IEEE Access*, **2019**, 7, 177177-177186	3.5	23
75	Cattaneo-Christov model for electrical magnetite micropoler Casson ferrofluid over a stretching/shrinking sheet using effective thermal conductivity model. *Case Studies in Thermal Engineering*, **2019**, 13, 100352	5.6	48
74	Effective Prandtl Number Model Influences on the (gamma {hbox {Al}}_2 {hbox {O}}_3)[{hbox {H}}_2 {hbox {O}}) and (gamma {hbox {Al}}_2 {hbox {O}}_3)[{hbox {C}}_2 {hbox {H}}_6 {hbox {O}}_2) Nanofluids Spray Along a Stretching Cylinder. *Arabian Journal for Science and Engineering*, **2019**, 44, 1601-1616	2.5	29
73	The electrical MHD and Hall current impact on micropolar nanofluid flow between rotating parallel plates. *Results in Physics*, **2018**, 9, 1201-1214	3.7	141
72	Liming induces carbon dioxide (CO) emission in PSB inoculated alkaline soil supplemented with different phosphorus sources. *Environmental Science and Pollution Research*, **2018**, 25, 9501-9509	5.1	16
71	Simulation of nanofluid flow and natural convection in a porous media under the influence of electric field using CVFEM. *International Journal of Heat and Mass Transfer*, **2018**, 120, 772-781	4.9	226
70	Three-dimensional rotating flow of MHD single wall carbon nanotubes over a stretching sheet in presence of thermal radiation. *Applied Nanoscience (Switzerland)*, **2018**, 8, 1361-1378	3.3	55
69	Numerical simulation for solidification in a LHTESS by means of nano-enhanced PCM. *Journal of the Taiwan Institute of Chemical Engineers*, **2018**, 86, 25-41	5.3	247
68	Thermal radiation, viscous dissipation, ohmic dissipation and mass transfer effects on unsteady hydromagnetic flow over a stretching surface. *Ain Shams Engineering Journal*, **2018**, 9, 1161-1168	4.4	4

67	Simulation of CuO-water nanofluid heat transfer enhancement in presence of melting surface. *International Journal of Heat and Mass Transfer*, **2018**, 116, 909-919	4.9	222
66	Three-dimensional magnetohydrodynamic (MHD) flow of Maxwell nanofluid containing gyrotactic micro-organisms with heat source/sink. *AIP Advances*, **2018**, 8, 085303	1.5	25
65	Entropy Generation on Nanofluid Thin Film Flow of Eyring-Powell Fluid with Thermal Radiation and MHD Effect on an Unsteady Porous Stretching Sheet. *Entropy*, **2018**, 20,	2.8	47
64	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. *Applied Sciences (Switzerland)*, **2018**, 8, 160	2.6	54
63	The Rotating Flow of Magneto Hydrodynamic Carbon Nanotubes over a Stretching Sheet with the Impact of Non-Linear Thermal Radiation and Heat Generation/Absorption. *Applied Sciences (Switzerland)*, **2018**, 8, 482	2.6	46
62	Impact of Thermal Radiation and Heat Source/Sink on Eyring□Powell Fluid Flow over an Unsteady Oscillatory Porous Stretching Surface. *Mathematical and Computational Applications*, **2018**, 23, 20	1	20
61	Numerical study of the effect of magnetic field on Fe3O4 □water ferrofluid convection with thermal radiation. *Engineering Computations*, **2018**, 35, 1855-1872	1.4	4
60	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. *Journal of Nanofluids*, **2018**, 8, 957-969	2.2	3
59	Magnetohydrodynamic CNTs Casson Nanofluid and Radiative heat transfer in a Rotating Channels **2018**, 1, 017-032		14
58	A Bioconvection Model for Squeezing Flow between Parallel Plates Containing Gyrotactic Microorganisms with Impact of Thermal Radiation and Heat Generation/Absorption. *Journal of Advances in Mathematics and Computer Science*, **2018**, 27, 1-22	0.3	3
57	Numerical investigation of nanofluid free convection under the influence of electric field in a porous enclosure. *Journal of Molecular Liquids*, **2018**, 249, 1212-1221	6	215
56	CuO-water nanofluid flow due to magnetic field inside a porous media considering Brownian motion. *Journal of Molecular Liquids*, **2018**, 249, 921-929	6	257
55	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. *AIP Advances*, **2018**, 8, 125024	1.5	26
54	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. *Applied Sciences (Switzerland)*, **2018**, 8, 2588	2.6	39
53	Three-Dimensional Nanofluid Flow with Heat and Mass Transfer Analysis over a Linear Stretching Surface with Convective Boundary Conditions. *Applied Sciences (Switzerland)*, **2018**, 8, 2244	2.6	35
52	Simulation of bioconvection in the suspension of second grade nanofluid containing nanoparticles and gyrotactic microorganisms. *AIP Advances*, **2018**, 8, 105210	1.5	52
51	Darcy-Forchheimer flow of MHD nanofluid thin film flow with Joule dissipation and Navier□s partial slip. *Journal of Physics Communications*, **2018**, 2, 115014	1.2	48
50	Radiative MHD thin film flow of Williamson fluid over an unsteady permeable stretching sheet. *Heliyon*, **2018**, 4, e00825	3.6	53

49	Slip flow of Eyring-Powell nanoliquid film containing graphene nanoparticles. *AIP Advances*, **2018**, 8, 115302	1.5	59
48	Darcy–Forchheimer flow of micropolar nanofluid between two plates in the rotating frame with non-uniform heat generation/absorption. *Advances in Mechanical Engineering*, **2018**, 10, 168781401880885	1.2	25
47	Darcy-Forchheimer flow of radiative carbon nanotubes with microstructure and inertial characteristics in the rotating frame. *Case Studies in Thermal Engineering*, **2018**, 12, 823-832	5.6	55
46	Study of two-dimensional boundary layer thin film fluid flow with variable thermo-physical properties in three dimensions space. *AIP Advances*, **2018**, 8, 105318	1.5	36
45	Three dimensional third grade nanofluid flow in a rotating system between parallel plates with Brownian motion and thermophoresis effects. *Results in Physics*, **2018**, 10, 36-45	3.7	66
44	Recent Advances in the Application of Differential Equations in Mechanical Engineering Problems. *Mathematical Problems in Engineering*, **2018**, 2018, 1-3	1.1	12
43	Fe3O4–H2O nanofluid natural convection in presence of thermal radiation. *International Journal of Hydrogen Energy*, **2017**, 42, 5708-5718	6.7	176
42	Magnetohydrodynamic nanofluid forced convection in a porous lid driven cubic cavity using Lattice Boltzmann method. *Journal of Molecular Liquids*, **2017**, 231, 555-565	6	214
41	Lattice Boltzmann method simulation for MHD non-Darcy nanofluid free convection. *Physica B: Condensed Matter*, **2017**, 516, 55-71	2.8	205
40	Numerical simulation of magnetic nanofluid natural convection in porous media. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2017**, 381, 494-503	2.3	298
39	Magnetic nanofluid natural convection in the presence of thermal radiation considering variable viscosity. *European Physical Journal Plus*, **2017**, 132, 1	3.1	46
38	Mesoscopic method for MHD nanofluid flow inside a porous cavity considering various shapes of nanoparticles. *International Journal of Heat and Mass Transfer*, **2017**, 113, 106-114	4.9	190
37	Nonlinear thermal radiation and cubic autocatalysis chemical reaction effects on the flow of stretched nanofluid under rotational oscillations. *Journal of Colloid and Interface Science*, **2017**, 505, 253-265	8.3	68
36	Magnetic field influence on nanofluid thermal radiation in a cavity with tilted elliptic inner cylinder. *Journal of Molecular Liquids*, **2017**, 229, 137-147	6	241
35	Entropy Analysis on Electro-Kinetically Modulated Peristaltic Propulsion of Magnetized Nanofluid Flow through a Microchannel. *Entropy*, **2017**, 19, 481	2.8	63
34	Simulation of nanofluid heat transfer in presence of magnetic field: A review. *International Journal of Heat and Mass Transfer*, **2017**, 115, 1203-1233	4.9	283
33	Magnetic field influence on CuO–H2O nanofluid convective flow in a permeable cavity considering various shapes for nanoparticles. *International Journal of Hydrogen Energy*, **2017**, 42, 19611-19621	6.7	194
32	Influence of Lorentz forces on nanofluid flow in a porous cylinder considering Darcy model. *Journal of Molecular Liquids*, **2017**, 225, 903-912	6	211

31	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. *Journal of Nanofluids*, **2017**, 6, 812-829	2.2	55
30	Flow of a Nano-Liquid Film of Maxwell Fluid with Thermal Radiation and Magneto Hydrodynamic Properties on an Unstable Stretching Sheet. *Journal of Nanofluids*, **2017**, 6, 1021-1030	2.2	22
29	MHD effect on nanofluid with energy and hydrothermal behavior between two collateral plates: Application of new semi analytical technique. *Thermal Science*, **2017**, 21, 2081-2093	1.2	4
28	Electrohydrodynamic free convection heat transfer of a nanofluid in a semi-annulus enclosure with a sinusoidal wall. *Numerical Heat Transfer; Part A: Applications*, **2016**, 69, 781-793	2.3	163
27	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. *Numerical Heat Transfer; Part A: Applications*, **2016**, 69, 1186-1200	2.3	200
26	Aflatoksin-Bal□ay□Lokal Sodyum Bentonitinin Yumurtac□Tavuklar□ □etim Performans□erine Etkileri. *Kafkas Universitesi Veteriner Fakultesi Dergisi*, **2016**,	1.2	5
25	CVFEM for magnetic nanofluid convective heat transfer in a porous curved enclosure. *European Physical Journal Plus*, **2016**, 131, 1	3.1	144
24	The influence of a magnetic field on the heat transfer of a magnetic nanofluid in a sinusoidal channel. *European Physical Journal Plus*, **2016**, 131, 1	3.1	25
23	Application of Differential Transformation Method for Nanofluid Flow in a Semi-Permeable Channel Considering Magnetic Field Effect. *International Journal for Computational Methods in Engineering Science and Mechanics*, **2015**, 16, 246-255	0.7	25
22	Investigation of turbulent flow and heat transfer in an air to water double-pipe heat exchanger. *Neural Computing and Applications*, **2015**, 26, 941-947	4.8	16
21	Unsteady nanofluid flow and heat transfer in presence of magnetic field considering thermal radiation. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, **2015**, 37, 895-902	2	59
20	Nanofluid flow and heat transfer between parallel plates considering Brownian motion using DTM. *Computer Methods in Applied Mechanics and Engineering*, **2015**, 283, 651-663	5.7	265
19	Entropy generation of nanofluid in presence of magnetic field using Lattice Boltzmann Method. *Physica A: Statistical Mechanics and Its Applications*, **2015**, 417, 273-286	3.3	250
18	Ferrofluid flow and heat transfer in a semi annulus enclosure in the presence of magnetic source considering thermal radiation. *Journal of the Taiwan Institute of Chemical Engineers*, **2015**, 47, 6-17	5.3	183
17	Effect of thermal radiation on magnetohydrodynamics nanofluid flow and heat transfer by means of two phase model. *Journal of Magnetism and Magnetic Materials*, **2015**, 374, 36-43	2.8	616
16	Electrohydrodynamic Nanofluid Hydrothermal Treatment in an Enclosure with Sinusoidal Upper Wall. *Applied Sciences (Switzerland)*, **2015**, 5, 294-306	2.6	141
15	Free convection of ferrofluid in a cavity heated from below in the presence of an external magnetic field. *Powder Technology*, **2014**, 256, 490-498	5.2	166
14	Numerical simulation of MHD nanofluid flow and heat transfer considering viscous dissipation. *International Journal of Heat and Mass Transfer*, **2014**, 79, 212-222	4.9	207

13	Simulation of MHD CuO–water nanofluid flow and convective heat transfer considering Lorentz forces. *Journal of Magnetism and Magnetic Materials*, **2014**, 369, 69-80	2.8	295
12	EFFECTS OF MAGNETOHYDRODYNAMICS ON PERISTALTIC FLOW OF JEFFREY FLUID IN A RECTANGULAR DUCT THROUGH A POROUS MEDIUM. *Journal of Porous Media*, **2014**, 17, 143-157	2.9	106
11	Natural convection flow of a non-Newtonian nanofluid between two vertical flat plates. *Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems*, **2011**, 225, 115-122		22
10	Application of Arrhenius chemical process on unsteady mixed bio-convective flows of third-grade fluids having temperature-dependent in thermo-rheological properties. *Waves in Random and Complex Media*,1-20	1.9	0
9	Entropy generation and nonlinear thermal radiation analysis on axisymmetric MHD Ellis nanofluid over a horizontally permeable stretching cylinder. *Waves in Random and Complex Media*,1-15	1.9	5
8	A comparative analysis of MHD Casson and Maxwell flows past a stretching sheet with mixed convection and chemical reaction. *Waves in Random and Complex Media*,1-16	1.9	3
7	A robust study to conceptualize the interactions of CD4+T-cells and human immunodeficiency virus via fractional-calculus. *Physica Scripta*,	2.6	1
6	Optimal control application to the epidemiology of HBV and HCV co-infection. *International Journal of Biomathematics*,	1.8	2
5	Design of Backpropagated Intelligent Networks for Nonlinear Second-Order Lane–Emden Pantograph Delay Differential Systems. *Arabian Journal for Science and Engineering*,1	2.5	6
4	Solar LFR system with new cavity reflector employing DO model. *ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik*,e202000226	1	
3	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. *International Journal of Ambient Energy*,0-52	2	2
2	Hall effect on the entropy optimization of radiative magnetized Jeffrey nanofluid flow with homogeneous and heterogeneous reaction by rotating stretching disk. *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering*,095440892110655	1.5	
1	Mixed convective flow of blood biofluids containing magnetite ferroparticles past a vertical flat plate: shapes-based analysis. *Waves in Random and Complex Media*,1-25	1.9	0