

# Taseer Muhammad

## List of Publications by Year in Descending Order

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

289  
papers

6,218  
citations

42  
h-index

64  
g-index

308  
ext. papers

7,793  
ext. citations

3.5  
avg, IF

7.04  
L-index

#	Paper	IF	Citations
289	Parametric estimation of gyrotactic microorganism hybrid nanofluid flow between the conical gap of spinning disk-cone apparatus.. <i>Scientific Reports</i> , <b>2022</b> , 12, 59	4.9	8
288	Bioconvection Unsteady Magnetized Flow in a Horizontal Channel with Dufour and Soret Effects. <i>Mathematical Problems in Engineering</i> , <b>2022</b> , 2022, 1-15	1.1	2
287	Fractional Study for Transient Free Convection Flow in a Channel with Mittag-Leffler Memory. <i>Mathematical Problems in Engineering</i> , <b>2022</b> , 2022, 1-20	1.1	
286	Analysis of energy transport considering Arrhenius activation energy and chemical reaction in radiative Maxwell nanofluid flow. <i>Chemical Physics Letters</i> , <b>2022</b> , 139323	2.5	4
285	Heat transfer enhancement in a power-law nanofluid flow between two rotating stretchable disks <b>2022</b> , 96, 1		1
284	Nonsimilar Modeling and Numerical Simulations of Electromagnetic Radiative Flow of Nanofluid with Entropy Generation. <i>Mathematical Problems in Engineering</i> , <b>2022</b> , 2022, 1-20	1.1	0
283	Double diffusive convection and cross diffusion effects on Casson fluid over a Lorentz force driven Riga plate in a porous medium with heat sink: An analytical approach. <i>International Communications in Heat and Mass Transfer</i> , <b>2022</b> , 131, 105761	5.8	4
282	Numerical investigation for melting heat transport of nanofluids due to stretching surface with Cattaneo-Christov thermal model. <i>AEJ - Alexandria Engineering Journal</i> , <b>2022</b> , 61, 6635-6644	6.1	3
281	Solar district heating with solar desalination using energy storage material for domestic hot water and drinking water [Environmental and economic analysis. <i>Sustainable Energy Technologies and Assessments</i> , <b>2022</b> , 49, 101713	4.7	3
280	On soliton solutions of fractional-order nonlinear model appears in physical sciences. <i>AIMS Mathematics</i> , <b>2022</b> , 7, 7421-7440	2.2	4
279	Traveling wave solutions to the Boussinesq equation via Sardar sub-equation technique. <i>AIMS Mathematics</i> , <b>2022</b> , 7, 11134-11149	2.2	1
278	Estimation method of mixture distribution and modeling of COVID-19 pandemic. <i>AIMS Mathematics</i> , <b>2022</b> , 7, 9926-9956	2.2	4
277	Computational Analysis of Nanoparticle Shapes on Hybrid Nanofluid Flow Due to Flat Horizontal Plate via Solar Collector.. <i>Nanomaterials</i> , <b>2022</b> , 12,	5.4	3
276	Heat and mass transfer features of transient second-grade fluid flow through an exponentially stretching surface. <i>Pramana - Journal of Physics</i> , <b>2022</b> , 96, 1		0
275	Impact of partial slip on double diffusion convection and inclined magnetic field on peristaltic wave of six-constant Jeffreys nanofluid along asymmetric channel. <i>European Physical Journal Plus</i> , <b>2022</b> , 137, 1	3.1	4
274	Heat Transfer in a Fractional Nanofluid Flow through a Permeable Medium. <i>Mathematical Problems in Engineering</i> , <b>2022</b> , 2022, 1-18	1.1	1
273	Physical attributes of bio-convection in nanofluid flow through a paraboloid of revolution on horizontal surface with motile microorganisms. <i>International Communications in Heat and Mass Transfer</i> , <b>2022</b> , 133, 105947	5.8	1

272	New insights into the dynamics of alumina-(60% ethylene glycol + 40% water) over an isothermal stretching sheet using a renovated Buongiorno's approach: A numerical GDQLM analysis. <i>International Communications in Heat and Mass Transfer</i> , <b>2022</b> , 133, 105937	5.8	14
271	Inspection of thermal jump conditions on nanofluids with nanoparticles and multiple slip effects.. <i>Scientific Reports</i> , <b>2022</b> , 12, 5586	4.9	0
270	Computation of nonlinear thermal radiation in magnetized nanofluid flow with entropy generation. <i>Applied Mathematics and Computation</i> , <b>2022</b> , 423, 126900	2.7	1
269	Impact of electro-magneto-hydrodynamics in radiative flow of nanofluids between two rotating plates. <i>AEJ - Alexandria Engineering Journal</i> , <b>2022</b> , 61, 10307-10317	6.1	2
268	Application of Levenberg-Marquardt technique for electrical conducting fluid subjected to variable viscosity.. <i>Indian Journal of Physics</i> , <b>2022</b> , 1-19	1.4	1
267	Analysis of non-singular fractional bioconvection and thermal memory with generalized Mittag-Leffler kernel. <i>Chaos, Solitons and Fractals</i> , <b>2022</b> , 159, 112090	9.3	0
266	Thermal transport analysis of six circular microchannel heat sink using nanofluid.. <i>Scientific Reports</i> , <b>2022</b> , 12, 8035	4.9	1
265	Magnetic Field Effect on Heat and Momentum of Fractional Maxwell Nanofluid within a Channel by Power Law Kernel Using Finite Difference Method. <i>Complexity</i> , <b>2022</b> , 2022, 1-16	1.6	0
264	Hydro-magnetic impact on the nanofluid flow over stretching/shrinking sheet using Keller-box method. <i>International Communications in Heat and Mass Transfer</i> , <b>2022</b> , 135, 106114	5.8	0
263	A Prabhakar Fractional Approach for the Convection Flow of Casson Fluid across an Oscillating Surface Based on the Generalized Fourier Law. <i>Symmetry</i> , <b>2021</b> , 13, 2039	2.7	5
262	On model for magnetized micropolar-nanofluid flow by a convectively heated rotating disk. <i>Physica Scripta</i> , <b>2021</b> , 96, 015205	2.6	1
261	Mathematical modeling and thermodynamics of Prandtl-Eyring fluid with radiation effect: a numerical approach. <i>Scientific Reports</i> , <b>2021</b> , 11, 22201	4.9	8
260	Entropy Amplified Solitary Phase Relative Probe on Engine Oil Based Hybrid Nanofluid. <i>Chinese Journal of Physics</i> , <b>2021</b> ,	3.5	9
259	Physical Aspects of Homogeneous-Heterogeneous Reactions on MHD Williamson Fluid Flow across a Nonlinear Stretching Curved Surface Together with Convective Boundary Conditions. <i>Mathematical Problems in Engineering</i> , <b>2021</b> , 2021, 1-13	1.1	2
258	Partial Slip Impact on Double Diffusive Convection Flow of Magneto-Carreau Nanofluid through Inclined Peristaltic Asymmetric Channel. <i>Mathematical Problems in Engineering</i> , <b>2021</b> , 2021, 1-14	1.1	1
257	Mathematical Analysis of the TB Model with Treatment via Caputo-Type Fractional Derivative. <i>Discrete Dynamics in Nature and Society</i> , <b>2021</b> , 2021, 1-15	1.1	5
256	Theoretical Analysis of Activation Energy Effect on Prandtl-Eyring Nanofluid Flow Subject to Melting Condition. <i>Journal of Non-Equilibrium Thermodynamics</i> , <b>2021</b> ,	3.8	10
255	On homogeneous-heterogeneous reactions in oblique stagnation-point flow of Jeffrey fluid involving Cattaneo-Christov heat flux. <i>Thermal Science</i> , <b>2021</b> , 25, 165-172	1.2	1

254	A bioconvection model for viscoelastic nanofluid confined by tapered asymmetric channel: implicit finite difference simulations. <i>Journal of Biological Physics</i> , <b>2021</b> , 47, 499-520	1.6	1
253	Nonlinear radiative transport of hybrid nanofluids due to moving sheet with entropy generation. <i>International Journal of Chemical Reactor Engineering</i> , <b>2021</b> ,	1.2	1
252	Numerical Investigation for Radiative Transport in Magnetized Flow of Nanofluids due to Moving Surface. <i>Mathematical Problems in Engineering</i> , <b>2021</b> , 2021, 1-10	1.1	1
251	Significance of Thermophoretic and Brownian Motion on MHD Nanofluids Flow towards a Circular Cylinder under the Inspiration of Multiple Slips: An Industrial Application. <i>Mathematical Problems in Engineering</i> , <b>2021</b> , 2021, 1-14	1.1	1
250	Heat transfer characteristics of MHD flow of Williamson nanofluid over an exponential permeable stretching curved surface with variable thermal conductivity. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 28, 101544	5.6	9
249	Cattaneo-Christov heat flux and entropy generation on hybrid nanofluid flow in a nozzle of rocket engine with melting heat transfer. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 28, 101504	5.6	16
248	Pareto optimal design of a finned latent heat thermal energy storage unit using a novel hybrid technique. <i>Journal of Energy Storage</i> , <b>2021</b> , 44, 103310	7.8	6
247	Heat transfer enhancement of hybrid nanofluids over porous cone. <i>International Journal of Chemical Reactor Engineering</i> , <b>2021</b> ,	1.2	2
246	Heat transfer enhancement in stagnation point flow of ferro-copper oxide/water hybrid nanofluid: A special case study. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 101615	5.6	3
245	Comparative study of hybrid and nanofluid flows amidst two rotating disks with thermal stratification: Statistical and numerical approaches. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 28, 101598	5.6	6
244	Thermal transport of bio-convection flow of micropolar nanofluid with motile microorganisms and velocity slip effects. <i>Physica Scripta</i> , <b>2021</b> , 96, 015220	2.6	4
243	Rotating flow of carbon nanotubes subject to prescribed heat flux condition. <i>Physica Scripta</i> , <b>2021</b> , 96, 025217	2.6	2
242	Thermo-bioconvection in stagnation point flow of third-grade nanofluid towards a stretching cylinder involving motile microorganisms. <i>Physica Scripta</i> , <b>2021</b> , 96, 035208	2.6	10
241	A fractal-fractional order Atangana-Baleanu model for Hepatitis B virus with asymptomatic class. <i>Physica Scripta</i> , <b>2021</b> , 96, 074001	2.6	3
240	Numerical simulation for bio-convection flow of magnetized non-Newtonian nanofluid due to stretching cylinder/plate with swimming motile microorganisms. <i>European Physical Journal: Special Topics</i> , <b>2021</b> , 230, 1239	2.3	4
239	Numerical Analysis of Thermal Radiative Maxwell Nanofluid Flow Over-Stretching Porous Rotating Disk. <i>Micromachines</i> , <b>2021</b> , 12,	3.3	15
238	Non-Similar Solution for Magnetized Flow of Maxwell Nanofluid over an Exponentially Stretching Surface. <i>Mathematical Problems in Engineering</i> , <b>2021</b> , 2021, 1-10	1.1	3
237	Design of intelligent computing networks for numerical treatment of thin film flow of Maxwell nanofluid over a stretched and rotating surface. <i>Surfaces and Interfaces</i> , <b>2021</b> , 24, 101107	4.1	24

236	Thermo-bioconvection transport of nanofluid over an inclined stretching cylinder with Cattaneo-Christov double-diffusion. <i>Communications in Theoretical Physics</i> , <b>2021</b> , 73, 075006	2.4	11
235	On the magnetized 3D flow of hybrid nanofluids utilizing nonlinear radiative heat transfer. <i>Physica Scripta</i> , <b>2021</b> , 96, 095202	2.6	20
234	Fractional study of Huanglongbing model with singular and non-singular kernel. <i>Chaos, Solitons and Fractals</i> , <b>2021</b> , 148, 111037	9.3	5
233	Combined heat source and zero mass flux features on magnetized nanofluid flow by radial disk with the applications of Coriolis force and activation energy. <i>International Communications in Heat and Mass Transfer</i> , <b>2021</b> , 126, 105416	5.8	19
232	On Numerical Thermal Transport Analysis of Three-Dimensional Bioconvective Nanofluid Flow. <i>Journal of Mathematics</i> , <b>2021</b> , 2021, 1-11	1.2	1
231	Modeling and analysis of the dynamics of HIV/AIDS with non-singular fractional and fractal-fractional operators. <i>Physica Scripta</i> , <b>2021</b> , 96, 114008	2.6	2
230	On doubly stratified bioconvective transport of Jeffrey nanofluid with gyrotactic motile microorganisms. <i>AEJ - Alexandria Engineering Journal</i> , <b>2021</b> , 61, 1571-1571	6.1	22
229	Bioconvection flow of Casson nanofluid by rotating disk with motile microorganisms. <i>Journal of Materials Research and Technology</i> , <b>2021</b> , 13, 2392-2407	5.5	8
228	Thermo-bioconvective transport of magneto-Casson nanofluid over a wedge containing motile microorganisms and variable thermal conductivity. <i>AEJ - Alexandria Engineering Journal</i> , <b>2021</b> , 61, 2444-2444	6.1	2
227	Gyrotactic micro-organism flow of Maxwell nanofluid between two parallel plates. <i>Scientific Reports</i> , <b>2021</b> , 11, 15142	4.9	11
226	Bioconvection flow of magnetized Carreau nanofluid under the influence of slip over a wedge with motile microorganisms. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 143, 945-957	4.1	80
225	Nanomaterial between two plates which are squeezed with impose magnetic force. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 144, 1023-1029	4.1	27
224	Significance of nonlinear thermal radiation in 3D Eyring-Bowell nanofluid flow with Arrhenius activation energy. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 143, 929-944	4.1	85
223	Simulation of convective MHD flow with inclusion of hybrid powders. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 144, 1013-1022	4.1	7
222	Thermal analysis of peristaltic flow of nanosized particles within a curved channel with second-order partial slip and porous medium. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 143, 1997-2009	4.1	37
221	Numerical investigation on bioconvection flow of Oldroyd-B nanofluid with nonlinear thermal radiation and motile microorganisms over rotating disk. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 145, 523-539	4.1	23
220	On model for Darcy-Borchheimer 3D nanofluid flow subject to heat flux boundary condition. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 143, 2411-2418	4.1	3
219	Simultaneous Influence of Hall and Wall Characteristics in Peristaltic Convective Carbon-Water Flow Subject to Soret and Dufour Effects. <i>Arabian Journal for Science and Engineering</i> , <b>2021</b> , 46, 2033-2046	2.5	11

218	On bio-convection thermal radiation in Darcy-Forchheimer flow of nanofluid with gyrotactic motile microorganism under Wuß slip over stretching cylinder/plate. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2021</b> , 31, 1520-1546	4.5	14
217	Mathematical modeling and optimal control strategies of Buruli ulcer in possum mammals. <i>AIMS Mathematics</i> , <b>2021</b> , 6, 9859-9881	2.2	1
216	Numerical investigation for 3D bioconvection flow of Carreau nanofluid with heat source/sink and motile microorganisms. <i>AEJ - Alexandria Engineering Journal</i> , <b>2021</b> ,	6.1	5
215	Numerical study for bio-convection flow of tangent hyperbolic nanofluid over a Riga plate with activation energy. <i>AEJ - Alexandria Engineering Journal</i> , <b>2021</b> , 61, 1803-1803	6.1	11
214	Consequences of Fourier's and Fick's laws in bioconvective couple stress nanofluid flow configured by an inclined stretchable cylinder. <i>International Journal of Modern Physics B</i> , <b>2021</b> , 35, 2150176	1.1	3
213	Inspection of modified Fourier's and Fick's laws in magnetized transport of Oldroyd-B nanofluid with swimming motile microorganisms: a theoretical model. <i>European Physical Journal Plus</i> , <b>2021</b> , 136, 1	3.1	1
212	Computational analysis of the unsteady 3D chemically reacting MHD flow with the properties of temperature dependent transverse suspended Maxwell nanofluid. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 26, 101169	5.6	12
211	Bioconvection transport of Carreau nanofluid with magnetic dipole and nonlinear thermal radiation. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 26, 101129	5.6	14
210	The parametric study of hybrid nanofluid flow with heat transition characteristics over a fluctuating spinning disk. <i>PLoS ONE</i> , <b>2021</b> , 16, e0254457	3.7	10
209	Significance of non-similar modeling in the entropy analysis of chemically reactive magnetized flow of nanofluid subjected to thermal radiations and melting heat condition. <i>AIP Advances</i> , <b>2021</b> , 11, 085018	1.5	3
208	Advancement of Non-Newtonian Fluid with Hybrid Nanoparticles in a Convective Channel and Prabhakar's Fractional Derivative Analytical Solution. <i>Fractal and Fractional</i> , <b>2021</b> , 5, 99	3	4
207	Bioconvection transport of magnetized Walter's B nanofluid across a cylindrical disk with nonlinear radiative heat transfer. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 26, 101097	5.6	0
206	Synthesis and characterization of manganese ferrite from low grade manganese ore through solid state reaction route. <i>Scientific Reports</i> , <b>2021</b> , 11, 16190	4.9	2
205	Numerical study for bioconvection transport of micropolar nanofluid over a thin needle with thermal and exponential space-based heat source. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 26, 101158	5.6	2
204	Von Karman rotating nanofluid flow with modified Fourier law and variable characteristics in liquid and gas scenarios. <i>Scientific Reports</i> , <b>2021</b> , 11, 16442	4.9	6
203	Thermal transport of hybrid nanofluids with entropy generation: A numerical simulation. <i>International Journal of Modern Physics B</i> , <b>2021</b> , 35, 2150218	1.1	3
202	Numerical computation for entropy generation in Darcy-Forchheimer transport of hybrid nanofluids with Cattaneo-Christov double-diffusion. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2021</b> , ahead-of-print,	4.5	8
201	Mathematical modeling and stability analysis of Buruli ulcer in Possum mammals. <i>Results in Physics</i> , <b>2021</b> , 27, 104471	3.7	



200	Entropy minimization in mixed convective Falkner-Skan flow of ZnO-SAE50 nanolubricant over stationary/moving Riga plate. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 26, 101176	5.6	6
199	Thermal effect on bioconvection flow of Sutterby nanofluid between two rotating disks with motile microorganisms. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 26, 101136	5.6	14
198	Importance of shape factor in Sisko nanofluid flow considering gold nanoparticles. <i>AEJ - Alexandria Engineering Journal</i> , <b>2021</b> , 61, 3665-3665	6.1	9
197	A new modified Kies Fröhnet distribution: Applications of mortality rate of Covid-19. <i>Results in Physics</i> , <b>2021</b> , 28, 104638	3.7	24
196	Recent progress in melting phenomenon for magnetized hybrid nanofluid flow over a stretching surface with temperature dependent viscosity: a comparative study. <i>Journal of Materials Research and Technology</i> , <b>2021</b> , 15, 3965-3965	5.5	0
195	Application of water based drilling clay-nanoparticles in heat transfer of fractional Maxwell fluid over an infinite flat surface. <i>Scientific Reports</i> , <b>2021</b> , 11, 18833	4.9	21
194	On Cattaneo-Christov heat flux in carbon-water nanofluid flow due to stretchable rotating disk through porous media. <i>AEJ - Alexandria Engineering Journal</i> , <b>2021</b> , 61, 3463-3463	6.1	7
193	Generalized Thermal Flux Flow for Jeffrey Fluid with Fourier Law over an Infinite Plate. <i>Mathematical Problems in Engineering</i> , <b>2021</b> , 2021, 1-9	1.1	4
192	MHD Williamson Nanofluid Flow over a Slender Elastic Sheet of Irregular Thickness in the Presence of Bioconvection. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	13
191	On melting heat transport and nanofluid in a nozzle of liquid rocket engine with entropy generation. <i>Journal of Materials Research and Technology</i> , <b>2021</b> , 14, 3059-3069	5.5	15
190	Flow and heat transfer of nanofluid over a permeable cylinder with nonlinear thermal radiation. <i>Journal of Materials Research and Technology</i> , <b>2021</b> , 14, 2579-2585	5.5	8
189	Significance of melting process in magnetized transport of hybrid nanofluids: A three-dimensional model. <i>AEJ - Alexandria Engineering Journal</i> , <b>2021</b> , 61, 3949-3949	6.1	0
188	Radiative heat transfer of nanomaterial on a convectively heated circular tube with activation energy and nanoparticle aggregation kinematic effects. <i>International Communications in Heat and Mass Transfer</i> , <b>2021</b> , 127, 105568	5.8	5
187	Numerical simulation for melting heat transport in nanofluids due to quadratic stretching plate with nonlinear thermal radiation. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 27, 101300	5.6	18
186	Fractional simulation for Darcy-Forchheimer hybrid nanoliquid flow with partial slip over a spinning disk. <i>AEJ - Alexandria Engineering Journal</i> , <b>2021</b> , 60, 4787-4796	6.1	45
185	Numerical computation of melting heat transfer in nonlinear radiative flow of hybrid nanofluids due to permeable stretching curved surface. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 27, 101348	5.6	4
184	Thermal transport in magnetized flow of hybrid nanofluids over a vertical stretching cylinder. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 27, 101219	5.6	8
183	Computational study of three-dimensional flow and heat transfer of 25 nm Cu <sub>2</sub> O nanoliquid with convective thermal condition and radiative heat flux using modified Buongiorno model. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 27, 101340	5.6	6

182	A mathematical model for the coinfection of Buruli ulcer and Cholera. <i>Results in Physics</i> , <b>2021</b> , 29, 104746-7	4.7	3
181	A new Hepatitis B model in light of asymptomatic carriers and vaccination study through Atangana-Baleanu derivative. <i>Results in Physics</i> , <b>2021</b> , 29, 104603	3.7	22
180	A dynamical study of SARS-COV-2: A study of third wave. <i>Results in Physics</i> , <b>2021</b> , 29, 104705	3.7	36
179	Significance of surface-catalyzed reactions in SiO <sub>2</sub> -H <sub>2</sub> O nanofluid flow through porous media. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 27, 101228	5.6	9
178	Implications of the third-grade nanomaterials lubrication problem in terms of radiative heat flux: A Keller box analysis. <i>Chemical Physics Letters</i> , <b>2021</b> , 783, 139041	2.5	7
177	The investigation of energy management and atomic interaction between coronavirus structure in the vicinity of aqueous environment of HO molecules via molecular dynamics approach. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 341, 117430	6	0
176	Impact of stratification phenomena on a nonlinear radiative flow of sutterby nanofluid. <i>Journal of Materials Research and Technology</i> , <b>2021</b> , 15, 306-314	5.5	15
175	Fractional order simulations for the thermal determination of graphene oxide (GO) and molybdenum disulphide (MoS <sub>2</sub> ) nanoparticles with slip effects. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 28, 101453	5.6	5
174	Natural convection flow of radiative maxwell fluid with Newtonian heating and slip effects: Fractional derivatives simulations. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 28, 101501	5.6	7
173	Dynamic consequences of nonlinear radiative heat flux and heat generation/absorption effects in cross-diffusion flow of generalized micropolar nanofluid. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 28, 101451	5.6	3
172	Analysis of entropy generation in a power-law nanofluid flow over a stretchable rotatory porous disk. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 28, 101370	5.6	12
171	Comparative study for magnetized flow of nanofluids between two parallel permeable stretching/shrinking surfaces. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 28, 101353	5.6	7
170	Chemically reactive transport of magnetized hybrid nanofluids through Darcian porous medium. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 28, 101431	5.6	6
169	Passive control of magneto-nanomaterials transient flow subject to non-linear thermal radiation. <i>Thermal Science</i> , <b>2021</b> , 169-169	1.2	8
168	Heat Transfer of Nanomaterial over an Infinite Disk with Marangoni Convection: A Modified Fourier Heat Flux Model for Solar Thermal System Applications. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 11609	2.6	0
167	Time fractional model of electro-osmotic Brinkman-type nanofluid with heat generation and chemical reaction effects: application in cleansing of contaminated water.. <i>Scientific Reports</i> , <b>2021</b> , 11, 24402	4.9	1
166	Numerical study for slip flow of Reiner-Rivlin nanofluid due to a rotating disk. <i>International Communications in Heat and Mass Transfer</i> , <b>2020</b> , 116, 104643	5.8	11
165	Numerical Treatment for 3D Squeezed Flow in a Rotating Channel With Soret and Dufour Effects. <i>Frontiers in Physics</i> , <b>2020</b> , 8,	3.9	8



164	Solidification of PCM with nano powders inside a heat exchanger. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 306, 112892	6	37
163	Darcy-Forchheimer flow by rotating disk with partial slip. <i>Applied Mathematics and Mechanics (English Edition)</i> , <b>2020</b> , 41, 741-752	3.2	11
162	Darcy-Forchheimer relation in Casson type MHD nanofluid flow over non-linear stretching surface. <i>Propulsion and Power Research</i> , <b>2020</b> , 9, 159-168	3.6	38
161	Boundary layer flow due to a nonlinear stretching curved surface with convective boundary condition and homogeneous-heterogeneous reactions. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2020</b> , 551, 123996	3.3	19
160	Hydromagnetic flow of Jeffrey nanofluid due to a curved stretching surface. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2020</b> , 551, 124060	3.3	50
159	EMHD flow of non-Newtonian nanofluids over thin needle with Robinson condition and Arrhenius pre-exponential factor law. <i>Physica Scripta</i> , <b>2020</b> , 95, 115219	2.6	20
158	Significance of activation energy and Wu slip features in Cross nanofluid with motile microorganisms. <i>Communications in Theoretical Physics</i> , <b>2020</b> , 72, 105001	2.4	7
157	Darcy-Forchheimer three-dimensional flow of carbon nanotubes with nonlinear thermal radiation. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 140, 2711-2720	4.1	6
156	Darcy-Forchheimer flow over an exponentially stretching curved surface with Cattaneo-Christov double diffusion. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2020</b> , 556, 123968	3.3	32
155	Significance of inclined magnetic field in Darcy-Forchheimer flow with variable porosity and thermal conductivity. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2020</b> , 551, 124067	3.3	24
154	Time-dependent 3D flow of viscoelastic nanofluid over an unsteady stretching surface. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2020</b> , 551, 124004	3.3	32
153	Numerical examination for nanomaterial forced convection within a permeable cavity involving magnetic forces. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2020</b> , 550, 123962	3.3	6
152	Significance of non-uniform heat generation/absorption in hydromagnetic flow of nanofluid due to stretching/shrinking disk. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2020</b> , 553, 123970	3.3	19
151	Hydromagnetic flow of Casson nanofluid over a porous stretching cylinder with Newtonian heat and mass conditions. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2020</b> , 550, 123988	3.3	22
150	Magnetized peristaltic particle-fluid propulsion with Hall and ion slip effects through a permeable channel. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2020</b> , 550, 123999	3.3	13
149	Darcy-Forchheimer flow of carbon nanotubes subject to heat flux boundary condition. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2020</b> , 554, 124002	3.3	4
148	Significance of heat generation/absorption in magnetohydrodynamic flow by an unsteady stretching curved surface. <i>Multidiscipline Modeling in Materials and Structures</i> , <b>2020</b> , 17, 35-47	2.2	3
147	Numerical simulation for entropy optimized nonlinear radiative flow of GO-Al <sub>2</sub> O <sub>3</sub> magneto nanomaterials with auto catalysis chemical reaction. <i>Numerical Methods for Partial Differential Equations</i> , <b>2020</b> ,	2.5	8

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144	Magnetized Jeffrey nanofluid with energy loss in between an annular part of two micro non-concentric pipes. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2020</b> , 1-20	1.6	5
143	Significance of homogeneous-heterogeneous reactions in Darcy-Forchheimer three-dimensional rotating flow of carbon nanotubes. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 139, 183-195	4.1	29
142	Numerical study for Carreau nanofluid flow over a convectively heated nonlinear stretching surface with chemically reactive species. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2020</b> , 540, 123063	3.3	69
141	Hydromagnetic squeezed flow of second-grade nanomaterials between two parallel disks. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 139, 2067-2077	4.1	7
140	Numerical Study for Darcy-Forchheimer Flow of Nanofluid due to a Rotating Disk with Binary Chemical Reaction and Arrhenius Activation Energy. <i>Mathematics</i> , <b>2019</b> , 7, 921	2.3	39
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137	An optimal study for 3D rotating flow of Oldroyd-B nanofluid with convectively heated surface. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , <b>2019</b> , 41, 1	2	16
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133	Nonlinear Computational Treatment for Couple Stress Fluid Flow with Cattaneo-Christov Double Diffusion and Homogeneous-Heterogeneous Reactions. <i>International Journal of Chemical Reactor Engineering</i> , <b>2019</b> , 17,	1.2	2
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131	Numerical Study for Magnetohydrodynamic Flow of Nanofluid Due to a Rotating Disk with Binary Chemical Reaction and Arrhenius Activation Energy. <i>Symmetry</i> , <b>2019</b> , 11, 1282	2.7	32
130	Darcy-Forchheimer flow of carbon nanotubes due to a convectively heated rotating disk with homogeneous-heterogeneous reactions. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 137, 1939-1949	4.1	24
129	Numerical simulation for three-dimensional flow of Carreau nanofluid over a nonlinear stretching surface with convective heat and mass conditions. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , <b>2019</b> , 41, 1	2	22

128	Effects of binary chemical reaction and Arrhenius activation energy in Darcy-Forchheimer three-dimensional flow of nanofluid subject to rotating frame. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 136, 1769-1779	4.1	30
127	Numerical simulation for Darcy-Forchheimer three-dimensional rotating flow of nanofluid with prescribed heat and mass flux conditions. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 136, 2087-2095	4.1	27
126	Numerical treatment for Darcy-Forchheimer flow of nanofluid due to a rotating disk with slip effects. <i>Canadian Journal of Physics</i> , <b>2019</b> , 97, 856-863	1.1	10
125	Darcy-Forchheimer flow of nanofluid due to a curved stretching surface. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2019</b> , 29, 2-20	4.5	71
124	Darcy-Forchheimer squeezed flow of carbon nanotubes with thermal radiation. <i>Journal of Physics and Chemistry of Solids</i> , <b>2018</b> , 120, 79-86	3.9	31
123	Melting Heat in Radiative Flow of Carbon Nanotubes with Homogeneous-Heterogeneous Reactions. <i>Communications in Theoretical Physics</i> , <b>2018</b> , 69, 441	2.4	31
122	Numerical study for heat generation/absorption in flow of nanofluid by a rotating disk. <i>Results in Physics</i> , <b>2018</b> , 8, 785-792	3.7	67
121	Numerical treatment for Carreau nanofluid flow over a porous nonlinear stretching surface. <i>Results in Physics</i> , <b>2018</b> , 8, 1185-1193	3.7	75
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118	An optimal analysis for Darcy-Forchheimer 3D flow of Carreau nanofluid with convectively heated surface. <i>Results in Physics</i> , <b>2018</b> , 9, 598-608	3.7	37
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101	Three-dimensional flow of nanofluid with heat and mass flux boundary conditions. <i>Chinese Journal of Physics</i> , <b>2017</b> , 55, 1495-1510	3.5	47
100	Hydromagnetic unsteady squeezing flow of Jeffrey fluid between two parallel plates. <i>Chinese Journal of Physics</i> , <b>2017</b> , 55, 1511-1522	3.5	44
99	Radiative flow of Powell-Eyring nanofluid with convective boundary conditions. <i>Chinese Journal of Physics</i> , <b>2017</b> , 55, 1523-1538	3.5	22
98	On Darcy-Forchheimer flow of carbon nanotubes due to a rotating disk. <i>International Journal of Heat and Mass Transfer</i> , <b>2017</b> , 112, 248-254	4.9	85
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86	Three-dimensional rotating flow of carbon nanotubes with Darcy-Forchheimer porous medium. <i>PLoS ONE</i> , <b>2017</b> , 12, e0179576	3.7	47
85	Radiative three-dimensional flow with Soret and Dufour effects. <i>International Journal of Mechanical Sciences</i> , <b>2017</b> , 133, 829-837	5.5	30
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68	Computational modeling for homogeneous-heterogeneous reactions in three-dimensional flow of carbon nanotubes. <i>Results in Physics</i> , <b>2017</b> , 7, 2651-2657	3.7	16
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64	Three-dimensional flow of nanofluid with Cattaneo-Christov double diffusion. <i>Results in Physics</i> , <b>2016</b> , 6, 897-903	3.7	66
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47	Soret and Dufour effects in three-dimensional flow over an exponentially stretching surface with porous medium, chemical reaction and heat source/sink. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2015</b> , 25, 762-781	4.5	42
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32	Hybridized consequence of thermal and concentration convection on peristaltic transport of magneto Powell-Eyring nanofluids in inclined asymmetric channel. <i>Mathematical Methods in the Applied Sciences</i> ,	2.3	1
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30	Heat transfer improvement in hybrid nanofluid flow over a moving sheet with magnetic dipole. <i>Waves in Random and Complex Media</i> ,1-15	1.9	11
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7	Rheology of magneto-micropolar nanoliquid toward radiative exponential surface subjected to Brownian motion, thermal radiation, thermophoresis and viscous dissipation. <i>Waves in Random and Complex Media</i> ,1-15	1.9	0
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