

Taseer Muhammad

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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	Magnetohydrodynamic three-dimensional flow of viscoelastic nanofluid in the presence of nonlinear thermal radiation. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 385, 222-229	2.8	251
288	A revised model for Darcy-Forchheimer flow of Maxwell nanofluid subject to convective boundary condition. <i>Chinese Journal of Physics</i> , 2017 , 55, 963-976	3.5	143
287	On magnetohydrodynamic three-dimensional flow of nanofluid over a convectively heated nonlinear stretching surface. <i>International Journal of Heat and Mass Transfer</i> , 2016 , 100, 566-572	4.9	142
286	Effects of homogeneous and heterogeneous reactions in flow of nanofluids over a nonlinear stretching surface with variable surface thickness. <i>Journal of Molecular Liquids</i> , 2016 , 221, 1121-1127	6	134
285	On magnetohydrodynamic flow of nanofluid due to a rotating disk with slip effect: A numerical study. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017 , 315, 467-477	5.7	130
284	An analytical solution for magnetohydrodynamic Oldroyd-B nanofluid flow induced by a stretching sheet with heat generation/absorption. <i>International Journal of Thermal Sciences</i> , 2017 , 111, 274-288	4.1	123
283	Darcy-Forchheimer flow with variable thermal conductivity and Cattaneo-Christov heat flux. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2016 , 26, 2355-2369	4.5	101
282	On squeezing flow of nanofluid in the presence of magnetic field effects. <i>Journal of Molecular Liquids</i> , 2016 , 213, 179-185	6	91
281	On Darcy-Forchheimer flow of carbon nanotubes due to a rotating disk. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 112, 248-254	4.9	85
280	Significance of nonlinear thermal radiation in 3D Eyring-Bowell nanofluid flow with Arrhenius activation energy. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 929-944	4.1	85
279	Interaction of magnetic field in flow of Maxwell nanofluid with convective effect. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 389, 48-55	2.8	82
278	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> , 2021 , 143, 945-957	4.1	80
277	Numerical treatment for Carreau nanofluid flow over a porous nonlinear stretching surface. <i>Results in Physics</i> , 2018 , 8, 1185-1193	3.7	75
276	Homogeneous-heterogeneous reactions in MHD flow of micropolar fluid by a curved stretching surface. <i>Journal of Molecular Liquids</i> , 2017 , 240, 209-220	6	73
275	On magnetohydrodynamic flow of second grade nanofluid over a nonlinear stretching sheet. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 408, 99-106	2.8	73
274	MHD flow of SWCNT and MWCNT nanoliquids past a rotating stretchable disk with thermal and exponential space dependent heat source. <i>Physica Scripta</i> , 2019 , 94, 085214	2.6	72
273	A revised model for Darcy-Forchheimer three-dimensional flow of nanofluid subject to convective boundary condition. <i>Results in Physics</i> , 2017 , 7, 2791-2797	3.7	71

272	Darcy-Forchheimer flow of nanofluid due to a curved stretching surface. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019 , 29, 2-20	4.5	71
271	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> , 2020 , 540, 123063	3.3	69
270	On squeezed flow of couple stress nanofluid between two parallel plates. <i>Results in Physics</i> , 2017 , 7, 553-561	3.7	68
269	Numerical study for heat generation/absorption in flow of nanofluid by a rotating disk. <i>Results in Physics</i> , 2018 , 8, 785-792	3.7	67
268	Three-dimensional flow of nanofluid with Cattaneo-Christov double diffusion. <i>Results in Physics</i> , 2016 , 6, 897-903	3.7	66
267	Significance of Darcy-Forchheimer Porous Medium in Nanofluid Through Carbon Nanotubes. <i>Communications in Theoretical Physics</i> , 2018 , 70, 361	2.4	66
266	On MHD nonlinear stretching flow of Powell-Eyring nanomaterial. <i>Results in Physics</i> , 2017 , 7, 535-543	3.7	65
265	On Darcy-Forchheimer flow of viscoelastic nanofluids: A comparative study. <i>Journal of Molecular Liquids</i> , 2017 , 233, 278-287	6	64
264	Influence of Magnetic Field in Three-Dimensional Flow of Couple Stress Nanofluid over a Nonlinearly Stretching Surface with Convective Condition. <i>PLoS ONE</i> , 2015 , 10, e0145332	3.7	64
263	Comprehensive analysis of heat transfer of gold-blood nanofluid (Sisko-model) with thermal radiation. <i>Results in Physics</i> , 2017 , 7, 4388-4393	3.7	63
262	On three-dimensional boundary layer flow of Sisko nanofluid with magnetic field effects. <i>Advanced Powder Technology</i> , 2016 , 27, 504-512	4.6	62
261	Numerical study for Darcy-Forchheimer flow due to a curved stretching surface with Cattaneo-Christov heat flux and homogeneous-heterogeneous reactions. <i>Results in Physics</i> , 2017 , 7, 2886-2892	2.7	58
260	Magnetohydrodynamic (MHD) three-dimensional flow of second grade nanofluid by a convectively heated exponentially stretching surface. <i>Journal of Molecular Liquids</i> , 2016 , 220, 1004-1012	6	57
259	Similarity solution to three dimensional boundary layer flow of second grade nanofluid past a stretching surface with thermal radiation and heat source/sink. <i>AIP Advances</i> , 2015 , 5, 017107	1.5	51
258	Impact of magnetic field in three-dimensional flow of an Oldroyd-B nanofluid. <i>Journal of Molecular Liquids</i> , 2015 , 212, 272-282	6	50
257	Hydromagnetic flow of Jeffrey nanofluid due to a curved stretching surface. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020 , 551, 124060	3.3	50
256	Three-dimensional flow of nanofluid with heat and mass flux boundary conditions. <i>Chinese Journal of Physics</i> , 2017 , 55, 1495-1510	3.5	47
255	Three-dimensional rotating flow of carbon nanotubes with Darcy-Forchheimer porous medium. <i>PLoS ONE</i> , 2017 , 12, e0179576	3.7	47

254	Viscous dissipation and Joule heating effects in MHD 3D flow with heat and mass fluxes. <i>Results in Physics</i> , 2018 , 8, 365-371	3.7	45
253	On Squeezed Flow of Jeffrey Nanofluid between Two Parallel Disks. <i>Applied Sciences (Switzerland)</i> , 2016 , 6, 346	2.6	45
252	Fractional simulation for Darcy-Forchheimer hybrid nanoliquid flow with partial slip over a spinning disk. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 60, 4787-4796	6.1	45
251	Hydromagnetic unsteady squeezing flow of Jeffrey fluid between two parallel plates. <i>Chinese Journal of Physics</i> , 2017 , 55, 1511-1522	3.5	44
250	Carbon nanotubes significance in Darcy-Forchheimer flow. <i>Results in Physics</i> , 2018 , 8, 26-33	3.7	43
249	A revised model for stretched flow of third grade fluid subject to magneto nanoparticles and convective condition. <i>Journal of Molecular Liquids</i> , 2017 , 230, 608-615	6	42
248	Three-dimensional boundary layer flow of Maxwell nanofluid: mathematical model. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2015 , 36, 747-762	3.2	42
247	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> , 2015 , 25, 762-781	4.5	42
246	Three-dimensional flow of Prandtl fluid with Cattaneo-Christov double diffusion. <i>Results in Physics</i> , 2018 , 9, 290-296	3.7	42
245	Numerical study of boundary-layer flow due to a nonlinear curved stretching sheet with convective heat and mass conditions. <i>Results in Physics</i> , 2017 , 7, 2601-2606	3.7	42
244	Three-dimensional flow of Powell-Eyring nanofluid with heat and mass flux boundary conditions. <i>Chinese Physics B</i> , 2016 , 25, 074701	1.2	41
243	Numerical Study for Darcy-Forchheimer Flow of Nanofluid due to a Rotating Disk with Binary Chemical Reaction and Arrhenius Activation Energy. <i>Mathematics</i> , 2019 , 7, 921	2.3	39
242	Simultaneous effects of melting heat and internal heat generation in stagnation point flow of Jeffrey fluid towards a nonlinear stretching surface with variable thickness. <i>International Journal of Thermal Sciences</i> , 2018 , 132, 344-354	4.1	39
241	A Comparative Study for Flow of Viscoelastic Fluids with Cattaneo-Christov Heat Flux. <i>PLoS ONE</i> , 2016 , 11, e0155185	3.7	39
240	On model for flow of Burgers nanofluid with Cattaneo-Christov double diffusion. <i>Chinese Journal of Physics</i> , 2017 , 55, 916-929	3.5	38
239	Darcy-Forchheimer relation in Casson type MHD nanofluid flow over non-linear stretching surface. <i>Propulsion and Power Research</i> , 2020 , 9, 159-168	3.6	38
238	Darcy-Forchheimer flow with Cattaneo-Christov heat flux and homogeneous-heterogeneous reactions. <i>PLoS ONE</i> , 2017 , 12, e0174938	3.7	38
237	Darcy-Forchheimer Three-Dimensional Flow of Williamson Nanofluid over a Convectively Heated Nonlinear Stretching Surface. <i>Communications in Theoretical Physics</i> , 2017 , 68, 387	2.4	38

236	Model and Comparative Study for Flow of Viscoelastic Nanofluids with Cattaneo-Christov Double Diffusion. <i>PLoS ONE</i> , 2017 , 12, e0168824	3.7	38
235	Solidification of PCM with nano powders inside a heat exchanger. <i>Journal of Molecular Liquids</i> , 2020 , 306, 112892	6	37
234	An optimal analysis for Darcy-Forchheimer 3D flow of Carreau nanofluid with convectively heated surface. <i>Results in Physics</i> , 2018 , 9, 598-608	3.7	37
233	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> , 2021 , 143, 1997-2009	4.1	37
232	An optimal study for three-dimensional flow of Maxwell nanofluid subject to rotating frame. <i>Journal of Molecular Liquids</i> , 2017 , 229, 541-547	6	36
231	On magnetohydrodynamic flow of second grade nanofluid over a convectively heated nonlinear stretching surface. <i>Advanced Powder Technology</i> , 2016 , 27, 1992-2004	4.6	36
230	A dynamical study of SARS-COV-2: A study of third wave. <i>Results in Physics</i> , 2021 , 29, 104705	3.7	36
229	Numerical study for nanofluid flow due to a nonlinear curved stretching surface with convective heat and mass conditions. <i>Results in Physics</i> , 2017 , 7, 3100-3106	3.7	34
228	A Numerical Simulation of Silver/Water Nanofluid Flow with Impacts of Newtonian Heating and Homogeneous-Heterogeneous Reactions Past a Nonlinear Stretched Cylinder. <i>Symmetry</i> , 2019 , 11, 295	2.7	33
227	Impact of magnetic field in three-dimensional flow of Sisko nanofluid with convective condition. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 413, 1-8	2.8	33
226	Numerical Study for Magnetohydrodynamic Flow of Nanofluid Due to a Rotating Disk with Binary Chemical Reaction and Arrhenius Activation Energy. <i>Symmetry</i> , 2019 , 11, 1282	2.7	32
225	Darcy-Forchheimer flow over an exponentially stretching curved surface with Cattaneo-Christov double diffusion. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020 , 556, 123968	3.3	32
224	Time-dependent 3D flow of viscoelastic nanofluid over an unsteady stretching surface. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020 , 551, 124004	3.3	32
223	Darcy-Forchheimer squeezed flow of carbon nanotubes with thermal radiation. <i>Journal of Physics and Chemistry of Solids</i> , 2018 , 120, 79-86	3.9	31
222	Melting Heat in Radiative Flow of Carbon Nanotubes with Homogeneous-Heterogeneous Reactions. <i>Communications in Theoretical Physics</i> , 2018 , 69, 441	2.4	31
221	Radiative three-dimensional flow with Soret and Dufour effects. <i>International Journal of Mechanical Sciences</i> , 2017 , 133, 829-837	5.5	30
220	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> , 2019 , 136, 1769-1779	4.1	30
219	A revised model for Jeffrey nanofluid subject to convective condition and heat generation/absorption. <i>PLoS ONE</i> , 2017 , 12, e0172518	3.7	29

218	Stagnation-point flow of second grade nanofluid towards a nonlinear stretching surface with variable thickness. <i>Results in Physics</i> , 2017 , 7, 2821-2830	3.7	29
217	Significance of homogeneous-heterogeneous reactions in Darcy-Forchheimer three-dimensional rotating flow of carbon nanotubes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 139, 183-195	4.1	29
216	Numerical study for Darcy-Forchheimer flow of nanofluid due to an exponentially stretching curved surface. <i>Results in Physics</i> , 2018 , 8, 764-771	3.7	28
215	On three-dimensional flow of couple stress fluid with Cattaneo-Christov heat flux. <i>Chinese Journal of Physics</i> , 2017 , 55, 930-938	3.5	27
214	Mathematical modeling for novel coronavirus (COVID-19) and control. <i>Numerical Methods for Partial Differential Equations</i> , 2020 ,	2.5	27
213	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> , 2019 , 136, 2087-2095	4.1	27
212	Nanomaterial between two plates which are squeezed with impose magnetic force. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 144, 1023-1029	4.1	27
211	Flow of variable thermal conductivity Oldroyd-B fluid with generalized Fourier's and Fick's laws. <i>Journal of Molecular Liquids</i> , 2017 , 234, 9-17	6	26
210	Temperature and Concentration Stratification Effects in Mixed Convection Flow of an Oldroyd-B Fluid with Thermal Radiation and Chemical Reaction. <i>PLoS ONE</i> , 2015 , 10, e0127646	3.7	26
209	Three dimensional rotating flow of Maxwell nanofluid. <i>Journal of Molecular Liquids</i> , 2017 , 229, 495-500	6	25
208	Significance of inclined magnetic field in Darcy-Forchheimer flow with variable porosity and thermal conductivity. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020 , 551, 124067	3.3	24
207	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> , 2021 , 24, 101107	4.1	24
206	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> , 2019 , 137, 1939-1949	4.1	24
205	A new modified Kies Fröhnet distribution: Applications of mortality rate of Covid-19. <i>Results in Physics</i> , 2021 , 28, 104638	3.7	24
204	Darcy-Forchheimer flow due to a curved stretching surface with Cattaneo-Christov double diffusion: A numerical study. <i>Results in Physics</i> , 2017 , 7, 2663-2670	3.7	23
203	Modern aspects of homogeneous-heterogeneous reactions and variable thickness in nanofluids through carbon nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017 , 94, 70-77	3	23
202	Simultaneous effects of bioconvection and velocity slip in three-dimensional flow of Eyring-Powell nanofluid with Arrhenius activation energy and binary chemical reaction. <i>International Communications in Heat and Mass Transfer</i> , 2020 , 117, 104738	5.8	23
201	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> , 2021 , 145, 523-539	4.1	23

200	Radiative flow of PowellEyring nanofluid with convective boundary conditions. <i>Chinese Journal of Physics</i> , 2017 , 55, 1523-1538	3.5	22
199	Thermal and solutal stratification in mixed convection three-dimensional flow of an Oldroyd-B nanofluid. <i>Results in Physics</i> , 2017 , 7, 3797-3805	3.7	22
198	An optimal analysis for DarcyForchheimer 3D flow of nanofluid with convective condition and homogeneousHeterogeneous reactions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018 , 382, 2846-2855	2.3	22
197	Active and passive controls of Jeffrey nanofluid flow over a nonlinear stretching surface. <i>Results in Physics</i> , 2017 , 7, 4071-4078	3.7	22
196	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> , 2020 , 550, 123988	3.3	22
195	On doubly stratified bioconvective transport of Jeffrey nanofluid with gyrotactic motile microorganisms. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 61, 1571-1571	6.1	22
194	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> , 2019 , 41, 1	2	22
193	A new Hepatitis B model in light of asymptomatic carriers and vaccination study through AtanganaBaleanu derivative. <i>Results in Physics</i> , 2021 , 29, 104603	3.7	22
192	A Mathematical Study for Three-Dimensional Boundary Layer Flow of Jeffrey Nanofluid. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2015 , 70, 225-233	1.4	21
191	Entropy optimization for DarcyForchheimer electro-magneto-hydrodynamic slip flow of ferronanofluid due to stretching/shrinking rotating disk. <i>Waves in Random and Complex Media</i> , 1-33	1.9	21
190	Darcy-Forchheimer flow of nanofluid in a rotating frame. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2018 , 28, 2895-2915	4.5	21
189	Application of water based drilling clay-nanoparticles in heat transfer of fractional Maxwell fluid over an infinite flat surface. <i>Scientific Reports</i> , 2021 , 11, 18833	4.9	21
188	EMHD flow of non-Newtonian nanofluids over thin needle with RobinsonB condition and Arrhenius pre-exponential factor law. <i>Physica Scripta</i> , 2020 , 95, 115219	2.6	20
187	On the magnetized 3D flow of hybrid nanofluids utilizing nonlinear radiative heat transfer. <i>Physica Scripta</i> , 2021 , 96, 095202	2.6	20
186	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> , 2020 , 551, 123996	3.3	19
185	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> , 2020 , 553, 123970	3.3	19
184	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> , 2021 , 126, 105416	5.8	19
183	Numerical simulation for melting heat transport in nanofluids due to quadratic stretching plate with nonlinear thermal radiation. <i>Case Studies in Thermal Engineering</i> , 2021 , 27, 101300	5.6	18

182	Simultaneous effects of magnetic field and convective condition in three-dimensional flow of couple stress nanofluid with heat generation/absorption. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2017 , 39, 1165-1176	2	17
181	Impact of Hall current and homogenous/heterogeneous reactions on MHD flow of GO-MoS ₂ /water (H ₂ O)-ethylene glycol (C ₂ H ₆ O ₂) hybrid nanofluid past a vertical stretching surface. <i>Waves in Random and Complex Media</i> , 1-18	1.9	17
180	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> , 2019 , 41, 1	2	16
179	Active and passive controls of 3D nanofluid flow by a convectively heated nonlinear stretching surface. <i>Physica Scripta</i> , 2019 , 94, 085704	2.6	16
178	An optimal study for Darcy-Forchheimer flow with generalized Fourier's and Fick's laws. <i>Results in Physics</i> , 2017 , 7, 2878-2885	3.7	16
177	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> , 2021 , 28, 101504	5.6	16
176	Computational modeling for homogeneous-heterogeneous reactions in three-dimensional flow of carbon nanotubes. <i>Results in Physics</i> , 2017 , 7, 2651-2657	3.7	16
175	Numerical treatment for Darcy-Forchheimer flow of nanofluid due to a rotating disk with convective heat and mass conditions. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2018 , 28, 2531-2550	4.5	16
174	Radiative Three-Dimensional Flow with Chemical Reaction. <i>International Journal of Chemical Reactor Engineering</i> , 2016 , 14, 79-91	1.2	15
173	Influence of homogeneous/heterogeneous reactions in the three-dimensional rotating flow of a nanofluid subject to Darcy-Forchheimer porous medium: an optimal analysis. <i>Physica Scripta</i> , 2019 , 94, 115708	2.6	15
172	Numerical Analysis of Thermal Radiative Maxwell Nanofluid Flow Over-Stretching Porous Rotating Disk. <i>Micromachines</i> , 2021 , 12,	3.3	15
171	On melting heat transport and nanofluid in a nozzle of liquid rocket engine with entropy generation. <i>Journal of Materials Research and Technology</i> , 2021 , 14, 3059-3069	5.5	15
170	Impact of stratification phenomena on a nonlinear radiative flow of Sutterby nanofluid. <i>Journal of Materials Research and Technology</i> , 2021 , 15, 306-314	5.5	15
169	Modeling and analysis for hydromagnetic three-dimensional flow of second grade nanofluid. <i>Journal of Molecular Liquids</i> , 2016 , 221, 93-101	6	14
168	On bio-convection thermal radiation in Darcy-Forchheimer flow of nanofluid with gyrotactic motile microorganism under Wu's slip over stretching cylinder/plate. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2021 , 31, 1520-1546	4.5	14
167	Bioconvection transport of Carreau nanofluid with magnetic dipole and nonlinear thermal radiation. <i>Case Studies in Thermal Engineering</i> , 2021 , 26, 101129	5.6	14
166	Thermal effect on bioconvection flow of Sutterby nanofluid between two rotating disks with motile microorganisms. <i>Case Studies in Thermal Engineering</i> , 2021 , 26, 101136	5.6	14
165	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> , 2022 , 133, 105937	5.8	14

164	A useful model for squeezing flow of nanofluid. <i>Journal of Molecular Liquids</i> , 2017 , 237, 447-454	6	13
163	Three-dimensional flow of Jeffrey fluid with Cattaneo-Christov heat flux: An application to non-Fourier heat flux theory. <i>Chinese Journal of Physics</i> , 2017 , 55, 1067-1077	3.5	13
162	Three-dimensional flow with Cattaneo-Christov double diffusion and homogeneous-heterogeneous reactions. <i>Results in Physics</i> , 2017 , 7, 2812-2820	3.7	13
161	Magnetized peristaltic particle fluid propulsion with Hall and ion slip effects through a permeable channel. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020 , 550, 123999	3.3	13
160	MHD Williamson Nanofluid Flow over a Slender Elastic Sheet of Irregular Thickness in the Presence of Bioconvection. <i>Nanomaterials</i> , 2021 , 11,	5.4	13
159	Computational analysis of the unsteady 3D chemically reacting MHD flow with the properties of temperature dependent transpose suspended Maxwell nanofluid. <i>Case Studies in Thermal Engineering</i> , 2021 , 26, 101169	5.6	12
158	Analysis of entropy generation in a power-law nanofluid flow over a stretchable rotatory porous disk. <i>Case Studies in Thermal Engineering</i> , 2021 , 28, 101370	5.6	12
157	Numerical simulation for Darcy-Forchheimer 3D rotating flow subject to binary chemical reaction and Arrhenius activation energy. <i>Journal of Central South University</i> , 2019 , 26, 1250-1259	2.1	11
156	Numerical treatment for Darcy-Forchheimer flow of carbon nanotubes due to an exponentially stretching curved surface. <i>Journal of Central South University</i> , 2019 , 26, 865-872	2.1	11
155	Numerical study for slip flow of Reiner-Rivlin nanofluid due to a rotating disk. <i>International Communications in Heat and Mass Transfer</i> , 2020 , 116, 104643	5.8	11
154	Darcy-Forchheimer flow by rotating disk with partial slip. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2020 , 41, 741-752	3.2	11
153	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
152	Thermo-bioconvection transport of nanofluid over an inclined stretching cylinder with Cattaneo-Christov double-diffusion. <i>Communications in Theoretical Physics</i> , 2021 , 73, 075006	2.4	11
151	Gyrotactic micro-organism flow of Maxwell nanofluid between two parallel plates. <i>Scientific Reports</i> , 2021 , 11, 15142	4.9	11
150	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> , 2021 , 46, 2033-2046	2.5	11
149	On Model for Three-Dimensional Flow of Nanofluid With Heat and Mass Flux Boundary Conditions. <i>Journal of Thermal Science and Engineering Applications</i> , 2018 , 10,	1.9	11
148	Effects of Hall Current on Transient Flow of Dusty Fluid with Nonlinear Radiation Past a Convectively Heated Stretching Plate. <i>Defect and Diffusion Forum</i> , 2018 , 387, 352-363	0.7	11
147	Numerical study for bio-convection flow of tangent hyperbolic nanofluid over a Riga plate with activation energy. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 61, 1803-1803	6.1	11

146	Application of Arrhenius kinetics on MHD radiative Von Kármán Casson nanofluid flow occurring in a Darcy-Forchheimer porous medium in the presence of an adjustable heat source. <i>Physica Scripta</i> ,	2.6	11
145	Three-Dimensional Flow of Jeffrey Nanofluid with a New Mass Flux Condition. <i>Journal of Aerospace Engineering</i> , 2016 , 29, 04015054	1.4	10
144	Theoretical Analysis of Activation Energy Effect on Prandtl-Eyring Nanofluid Flow Subject to Melting Condition. <i>Journal of Non-Equilibrium Thermodynamics</i> , 2021 ,	3.8	10
143	Thermo-bioconvection in stagnation point flow of third-grade nanofluid towards a stretching cylinder involving motile microorganisms. <i>Physica Scripta</i> , 2021 , 96, 035208	2.6	10
142	Numerical treatment for Darcy-Forchheimer flow of nanofluid due to a rotating disk with slip effects. <i>Canadian Journal of Physics</i> , 2019 , 97, 856-863	1.1	10
141	The parametric study of hybrid nanofluid flow with heat transition characteristics over a fluctuating spinning disk. <i>PLoS ONE</i> , 2021 , 16, e0254457	3.7	10
140	Entropy Amplified Solitary Phase Relative Probe on Engine Oil Based Hybrid Nanofluid. <i>Chinese Journal of Physics</i> , 2021 ,	3.5	9
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137	Significance of surface-catalyzed reactions in SiO ₂ -H ₂ O nanofluid flow through porous media. <i>Case Studies in Thermal Engineering</i> , 2021 , 27, 101228	5.6	9
136	Numerical Treatment for 3D Squeezed Flow in a Rotating Channel With Soret and Dufour Effects. <i>Frontiers in Physics</i> , 2020 , 8,	3.9	8
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134	Parametric estimation of gyrotactic microorganism hybrid nanofluid flow between the conical gap of spinning disk-cone apparatus.. <i>Scientific Reports</i> , 2022 , 12, 59	4.9	8
133	Mathematical modeling and thermodynamics of Prandtl-Eyring fluid with radiation effect: a numerical approach. <i>Scientific Reports</i> , 2021 , 11, 22201	4.9	8
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130	Numerical simulation for magnetic dipole in bioconvection flow of Jeffrey nanofluid with swimming motile microorganisms. <i>Waves in Random and Complex Media</i> , 1-18	1.9	8
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90	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> , 2021 , 230, 1239	2.3	4
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68	Computational Analysis of Nanoparticle Shapes on Hybrid Nanofluid Flow Due to Flat Horizontal Plate via Solar Collector.. <i>Nanomaterials</i> , 2022 , 12,	5.4	3
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55	Approximation of unsteady squeezing flow through porous space with slip effect: DJM approach. <i>Waves in Random and Complex Media</i> ,1-15	1.9	2
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53	Slip boundaries effects on double-diffusive convection of magneto-pseudoplastic nanofluid on peristaltic flux in an inclined asymmetric channel. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> ,095440892110630	1.5	2
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51	Numerical analysis of entropy generation in the stagnation point flow of Oldroyd-B nanofluid. <i>Waves in Random and Complex Media</i> ,1-17	1.9	1
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49	Electro-Osmotic Flow of Prandtl Nanofluids with Thermal and Solutal Slip Flow Constraints: Keller Box Simulations. <i>Arabian Journal for Science and Engineering</i> ,1	2.5	1
48	On model for magnetized micropolar-nanofluid flow by a convectively heated rotating disk. <i>Physica Scripta</i> , 2021 , 96, 015205	2.6	1
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46	On homogeneous-heterogeneous reactions in oblique stagnation-point flow of Jeffrey fluid involving Cattaneo-Christov heat flux. <i>Thermal Science</i> , 2021 , 25, 165-172	1.2	1
45	A bioconvection model for viscoelastic nanofluid confined by tapered asymmetric channel: implicit finite difference simulations. <i>Journal of Biological Physics</i> , 2021 , 47, 499-520	1.6	1
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42	Numerical Investigation for Radiative Transport in Magnetized Flow of Nanofluids due to Moving Surface. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-10	1.1	1
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39	Mathematical modeling and optimal control strategies of Buruli ulcer in possum mammals. <i>AIMS Mathematics</i> , 2021 , 6, 9859-9881	2.2	1

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36	Investigation of thermal stratification and nonlinear thermal radiation in Darcy-Forchheimer transport of hybrid nanofluid by rotating disk with Marangoni convection. <i>International Journal of Ambient Energy</i> , 1-8	2	1
35	Heat Transfer in a Fractional Nanofluid Flow through a Permeable Medium. <i>Mathematical Problems in Engineering</i> , 2022 , 2022, 1-18	1.1	1
34	Cattaneo-Christov Theory to model heat flux effect on nanoliquid slip flow over a spinning disk with nanoparticle aggregation and Hall current. <i>Waves in Random and Complex Media</i> , 1-23	1.9	1
33	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> , 2022 , 133, 105947	5.8	1
32	Computation of nonlinear thermal radiation in magnetized nanofluid flow with entropy generation. <i>Applied Mathematics and Computation</i> , 2022 , 423, 126900	2.7	1
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30	Analysis of squeezing flow of Powell-Eyring fluid with generalized transport phenomena and double stratification past inclined parallel sheets. <i>Waves in Random and Complex Media</i> , 1-20	1.9	1
29	Thermally radiative couple-stress magnetized liquid featuring Newtonian heating. <i>Waves in Random and Complex Media</i> , 1-12	1.9	1
28	Application of Levenberg-Marquardt technique for electrical conducting fluid subjected to variable viscosity.. <i>Indian Journal of Physics</i> , 2022 , 1-19	1.4	1
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26	Thermal transport analysis of six circular microchannel heat sink using nanofluid.. <i>Scientific Reports</i> , 2022 , 12, 8035	4.9	1
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24	Importance of bioconvection in 3D viscoelastic nanofluid flow due to exponentially stretching surface with nonlinear radiative heat transfer and variable thermal conductivity. <i>Journal of Thermal Analysis and Calorimetry</i> , 1	4.1	0
23	Bioconvection transport of magnetized Walter's B nanofluid across a cylindrical disk with nonlinear radiative heat transfer. <i>Case Studies in Thermal Engineering</i> , 2021 , 26, 101097	5.6	0
22	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> , 2021 , 15, 3965-3965	5.5	0
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18	Exact solutions for MHD axisymmetric hybrid nanofluid flow and heat transfer over a permeable non-linear radially shrinking/stretching surface with mutual impacts of thermal radiation. <i>European Physical Journal: Special Topics</i> ,1	2.3	o
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16	Triple diffusion with heat transfer under different effects on magnetized hyperbolic tangent nanofluid flow. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> ,095440892210791	1.5	o
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13	Influence of homogeneous/heterogeneous reactions on a radiative second-grade micropolar fluid flow over an exponentially stretching Riga plate with Joule heating. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> ,095440892110676	1.5	o
12	Theory of activation energy and thermophoretic dispersion of nanoparticles in nonlinear radiative Maxwell nanofluid. <i>Waves in Random and Complex Media</i> ,1-12	1.9	o
11	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	o
10	Numerical simulation for stagnation-point flow of nanofluid over a spiraling disk through porous media. <i>Waves in Random and Complex Media</i> ,1-20	1.9	o
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5	Heat transport in the flow of magnetized nanofluid over a stretchable surface with heat sources: A mathematical model with realistic conditions. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> ,e202100343	1	
4	Melting heat transfer in bioconvective transport of Williamson nanofluid over a wedge with exponential space and thermal-dependent heat source. <i>Waves in Random and Complex Media</i> ,1-31	1.9	
3	Mathematical modeling and stability analysis of Buruli ulcer in Possum mammals. <i>Results in Physics</i> , 2021 , 27, 104471	3.7	

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