Muhammad Ramzan

List of Publications by Citations

179 papers	3,231 citations	31 h-index	43 g-index
189 ext. papers	4,178 ext. citations	3.3 avg, IF	6.42 L-index

#	Paper	IF	Citations
179	The solution of a mixed boundary value problem in the theory of diffraction by a semi-infinite plane. *Proceedings of the Royal Society of London Series A, Mathematical and Physical Sciences*, **1975**, 346, 469-484		76
178	MHD three-dimensional flow of couple stress fluid with Newtonian heating. *European Physical Journal Plus*, **2013**, 128, 1	3.1	70
177	Significance of Darcy-Forchheimer Porous Medium in Nanofluid Through Carbon Nanotubes. *Communications in Theoretical Physics*, **2018**, 70, 361	2.4	66
176	Radiative and Joule heating effects in the MHD flow of a micropolar fluid with partial slip and convective boundary condition. *Journal of Molecular Liquids*, **2016**, 221, 394-400	6	62
175	Radiative magnetohydrodynamic nanofluid flow due to gyrotactic microorganisms with chemical reaction and non-linear thermal radiation. *International Journal of Mechanical Sciences*, **2017**, 130, 31-40	5.5	60
174	Flow of Casson nanofluid with viscous dissipation and convective conditions: A mathematical model. *Journal of Central South University*, **2015**, 22, 1132-1140	2.1	59
173	Radiative hydromagnetic flow of jeffrey nanofluid by an exponentially stretching sheet. *PLoS ONE*, **2014**, 9, e103719	3.7	57
172	Buoyancy effects on the radiative magneto Micropolar nanofluid flow with double stratification, activation energy and binary chemical reaction. *Scientific Reports*, **2017**, 7, 12901	4.9	56
171	MHD flow of Maxwell fluid with nanomaterials due to an exponentially stretching surface. *Scientific Reports*, **2019**, 9, 7312	4.9	53
170	Three-dimensional flow of an elastico-viscous nanofluid with chemical reaction and magnetic field effects. *Journal of Molecular Liquids*, **2016**, 215, 212-220	6	53
169	Influence of homogeneous-heterogeneous reactions on MHD 3D Maxwell fluid flow with Cattaneo-Christov heat flux and convective boundary condition. *Journal of Molecular Liquids*, **2017**, 230, 415-422	6	52
168	Radiative Williamson nanofluid flow over a convectively heated Riga plate with chemical reaction-A numerical approach. *Chinese Journal of Physics*, **2017**, 55, 1663-1673	3.5	49
167	Effects of thermal and solutal stratification on jeffrey magneto-nanofluid along an inclined stretching cylinder with thermal radiation and heat generation/absorption. *International Journal of Mechanical Sciences*, **2017**, 131-132, 317-324	5.5	49
166	Effects of Variable Thermal Conductivity and Non-linear Thermal Radiation Past an Eyring Powell Nanofluid Flow with Chemical Reaction. *Communications in Theoretical Physics*, **2017**, 67, 723	2.4	46
165	Mixed convective flow of Maxwell nanofluid past a porous vertical stretched surface An optimal solution. *Results in Physics*, **2016**, 6, 1072-1079	3.7	46
164	Partial slip effect in the flow of MHD micropolar nanofluid flow due to a rotating disk A numerical approach. *Results in Physics*, **2017**, 7, 3557-3566	3.7	45
163	Boundary layer flow of third grade nanofluid with Newtonian heating and viscous dissipation. *Journal of Central South University*, **2015**, 22, 360-367	2.1	45

162	Influence of Newtonian heating on three dimensional MHD flow of couple stress nanofluid with viscous dissipation and Joule heating. *PLoS ONE*, **2015**, 10, e0124699	3.7	45
161	Magnetized suspended carbon nanotubes based nanofluid flow with bio-convection and entropy generation past a vertical cone. *Scientific Reports*, **2019**, 9, 12225	4.9	43
160	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
159	MHD stagnation point Cattaneo-Christov heat flux in Williamson fluid flow with homogeneous-heterogeneous reactions and convective boundary condition - A numerical approach. *Journal of Molecular Liquids*, **2017**, 225, 856-862	6	43
158	Time Dependent MHD Nano-Second Grade Fluid Flow Induced by Permeable Vertical Sheet with Mixed Convection and Thermal Radiation. *PLoS ONE*, **2015**, 10, e0124929	3.7	43
157	Radiative Flow of Powell-Eyring Magneto-Nanofluid over a Stretching Cylinder with Chemical Reaction and Double Stratification near a Stagnation Point. *PLoS ONE*, **2017**, 12, e0170790	3.7	43
156	Effects of MHD homogeneous-heterogeneous reactions on third grade fluid flow with Cattaneo-Christov heat flux. *Journal of Molecular Liquids*, **2016**, 223, 1284-1290	6	42
155	Upshot of binary chemical reaction and activation energy on carbon nanotubes with Cattaneo-Christov heat flux and buoyancy effects. *Physics of Fluids*, **2017**, 29, 123103	4.4	41
154	Hall current effect on unsteady rotational flow of carbon nanotubes with dust particles and nonlinear thermal radiation in Darcy-Forchheimer porous media. *Journal of Thermal Analysis and Calorimetry*, **2019**, 138, 3127-3137	4.1	40
153	Model-based comparative study of magnetohydrodynamics unsteady hybrid nanofluid flow between two infinite parallel plates with particle shape effects. *Mathematical Methods in the Applied Sciences*,	2.3	39
152	Three dimensional flow of an Oldroyd-B fluid with Newtonian heating. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2015**, 25, 68-85	4.5	38
151	Solidification of PCM with nano powders inside a heat exchanger. *Journal of Molecular Liquids*, **2020**, 306, 112892	6	37
150	A Numerical Simulation of Silver-Water Nanofluid Flow with Impacts of Newtonian Heating and Homogeneous-Heterogeneous Reactions Past a Nonlinear Stretched Cylinder. *Symmetry*, **2019**, 11, 295	2.7	33
149	MHD stagnation point flow by a permeable stretching cylinder with Soret-Dufour effects. *Journal of Central South University*, **2015**, 22, 707-716	2.1	32
148	Three dimensional boundary layer flow of a viscoelastic nanofluid with Soret and Dufour effects. *AEJ - Alexandria Engineering Journal*, **2016**, 55, 311-319	6.1	31
147	A numerical treatment of radiative nanofluid 3D flow containing gyrotactic microorganism with anisotropic slip, binary chemical reaction and activation energy. *Scientific Reports*, **2017**, 7, 17008	4.9	30
146	Boundary layer flow of three-dimensional viscoelastic nanofluid past a bi-directional stretching sheet with Newtonian heating. *AIP Advances*, **2015**, 5, 057132	1.5	30
145	Unsteady squeezing carbon nanotubes based nano-liquid flow with Cattaneo-Christov heat flux and homogeneous-heterogeneous reactions. *Applied Nanoscience (Switzerland)*, **2019**, 9, 169-178	3.3	30

144	Nonlinear radiation effect on MHD Carreau nanofluid flow over a radially stretching surface with zero mass flux at the surface. *Scientific Reports*, **2018**, 8, 3709	4.9	29
143	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
142	Numerical Simulation of Darcy–Forchheimer 3D Unsteady Nanofluid Flow Comprising Carbon Nanotubes with Cattaneo–Christov Heat Flux and Velocity and Thermal Slip Conditions. *Processes*, **2019**, 7, 687	2.9	28
141	On MHD radiative Jeffery nanofluid flow with convective heat and mass boundary conditions. *Neural Computing and Applications*, **2018**, 30, 2739-2748	4.8	28
140	A numerical treatment of MHD radiative flow of Micropolar nanofluid with homogeneous-heterogeneous reactions past a nonlinear stretched surface. *Scientific Reports*, **2018**, 8, 12431	4.9	28
139	Significance of Hall effect and Ion slip in a three-dimensional bioconvective Tangent hyperbolic nanofluid flow subject to Arrhenius activation energy. *Scientific Reports*, **2020**, 10, 18342	4.9	28
138	Mixed convective radiative flow of second grade nanofluid with convective boundary conditions: An optimal solution. *Results in Physics*, **2016**, 6, 796-804	3.7	28
137	Impact of generalized Fourier's and Fick's laws on MHD 3D second grade nanofluid flow with variable thermal conductivity and convective heat and mass conditions. *Physics of Fluids*, **2017**, 29, 093102	4.4	27
136	Nanomaterial between two plates which are squeezed with impose magnetic force. *Journal of Thermal Analysis and Calorimetry*, **2021**, 144, 1023-1029	4.1	27
135	A Thin Film Flow of Nanofluid Comprising Carbon Nanotubes Influenced by Cattaneo-Christov Heat Flux and Entropy Generation. *Coatings*, **2019**, 9, 296	2.9	25
134	Radiative MHD Nanofluid Flow over a Moving Thin Needle with Entropy Generation in a Porous Medium with Dust Particles and Hall Current. *Entropy*, **2020**, 22,	2.8	25
133	A Numerical Investigation of 3D MHD Rotating Flow with Binary Chemical Reaction, Activation Energy and Non-Fourier Heat Flux. *Communications in Theoretical Physics*, **2018**, 70, 089	2.4	25
132	Entropy Analysis of Carbon Nanotubes Based Nanofluid Flow Past a Vertical Cone with Thermal Radiation. *Entropy*, **2019**, 21,	2.8	24
131	Impact of Nonlinear Thermal Radiation and Entropy Optimization Coatings with Hybrid Nanoliquid Flow Past a Curved Stretched Surface. *Coatings*, **2018**, 8, 430	2.9	24
130	Upshot of melting heat transfer in a Von Karman rotating flow of gold-silver/engine oil hybrid nanofluid with Cattaneo-Christov heat flux. *Case Studies in Thermal Engineering*, **2021**, 26, 101149	5.6	24
129	Impact of Newtonian heating and Fourier and Fick's laws on a magnetohydrodynamic dusty Casson nanofluid flow with variable heat source/sink over a stretching cylinder. *Scientific Reports*, **2021**, 11, 2357	4.9	23
128	Numerical approach for nanofluid transportation due to electric force in a porous enclosure. *Microsystem Technologies*, **2019**, 25, 2501-2514	1.7	22
127	Role of bioconvection in a three dimensional tangent hyperbolic partially ionized magnetized nanofluid flow with Cattaneo-Christov heat flux and activation energy. *International Communications in Heat and Mass Transfer*, **2021**, 120, 104994	5.8	22

126	Upshot of heterogeneous catalysis in a nanofluid flow over a rotating disk with slip effects and Entropy optimization analysis. *Scientific Reports*, **2021**, 11, 120	4.9	22
125	Melting heat transfer and entropy optimization owing to carbon nanotubes suspended Casson nanoliquid flow past a swirling cylinder-A numerical treatment. *AIP Advances*, **2018**, 8, 115130	1.5	22
124	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
123	Effects of Chemical Species and Nonlinear Thermal Radiation with 3D Maxwell Nanofluid Flow with Double Stratification-An Analytical Solution. *Entropy*, **2020**, 22,	2.8	21
122	Numerical Simulation of 3D Condensation Nanofluid Film Flow with Carbon Nanotubes on an Inclined Rotating Disk. *Applied Sciences (Switzerland)*, **2020**, 10, 168	2.6	21
121	Entropy Analysis of 3D Non-Newtonian MHD Nanofluid Flow with Nonlinear Thermal Radiation Past over Exponential Stretched Surface. *Entropy*, **2018**, 20,	2.8	21
120	Impact of melting heat transfer in the time-dependent squeezing nanofluid flow containing carbon nanotubes in a Darcy-Forchheimer porous media with Cattaneo-Christov heat flux. *Communications in Theoretical Physics*, **2020**, 72, 085801	2.4	20
119	Unsteady hybrid-nanofluid flow comprising ferrousoxide and CNTs through porous horizontal channel with dilating/squeezing walls. *Scientific Reports*, **2021**, 11, 12637	4.9	20
118	Numerical simulation for homogeneous–heterogeneous reactions and Newtonian heating in the silver-water nanofluid flow past a nonlinear stretched cylinder. *Physica Scripta*, **2019**, 94, 085702	2.6	19
117	Classification of static spherically symmetric space-times in f(R) theory of gravity according to their conformal vector fields. *International Journal of Geometric Methods in Modern Physics*, **2018**, 15, 1850193	1.5	19
116	Upshot of magnetic dipole on the flow of nanofluid along a stretched cylinder with gyrotactic microorganism in a stratified medium. *Physica Scripta*, **2020**, 95, 025702	2.6	18
115	Flow of nanofluid with Cattaneo–Christov heat flux model. *Applied Nanoscience (Switzerland)*, **2020**, 10, 2989-2999	3.3	18
114	Comparative analysis of Yamada-Ota and Xue models for hybrid nanofluid flow amid two concentric spinning disks with variable thermophysical characteristics. *Case Studies in Thermal Engineering*, **2021**, 26, 101039	5.6	18
113	HE-ELZAKI METHOD FOR SPATIAL DIFFUSION OF BIOLOGICAL POPULATION. *Fractals*, **2019**, 27, 1950069	3.2	17
112	Computational analysis of three layer fluid model including a nanomaterial layer. *International Journal of Heat and Mass Transfer*, **2018**, 122, 222-228	4.9	17
111	Mixed Convective Viscoelastic Nanofluid Flow Past a Porous Media with Soret–Dufour Effects. *Communications in Theoretical Physics*, **2016**, 66, 133-142	2.4	17
110	Influence of adding nanoparticles on solidification in a heat storage system considering radiation effect. *Journal of Molecular Liquids*, **2019**, 273, 589-605	6	17
109	Simulation of natural convection of Fe3O4-water ferrofluid in a circular porous cavity in the presence of a magnetic field. *European Physical Journal Plus*, **2019**, 134, 1	3.1	16

108	On three-dimensional MHD Oldroyd-B fluid flow with nonlinear thermal radiation and homogeneous–heterogeneous reaction. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, **2018**, 40, 1	2	16
107	Significance of magnetic Reynolds number in a three-dimensional squeezing Darcy-Forchheimer hydromagnetic nanofluid thin-film flow between two rotating disks. *Scientific Reports*, **2020**, 10, 17208	4.9	16
106	An entropy optimization study of non-Darcian magnetohydrodynamic Williamson nanofluid with nonlinear thermal radiation over a stratified sheet. *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering*,095440892110279	1.5	16
105	Impact of Second-Order Slip and Double Stratification Coatings on 3D MHD Williamson Nanofluid Flow with Cattaneo–Christov Heat Flux. *Coatings*, **2019**, 9, 849	2.9	16
104	Classification of static cylindrically symmetric spacetimes in f(R) theory of gravity by conformal motions with perfect fluid matter. *Arabian Journal of Mathematics*, **2019**, 8, 115-123	0.8	16
103	Dust static plane symmetric solutions and their conformal vector fields in f(R) theory of gravity. *Modern Physics Letters A*, **2018**, 33, 1850222	1.3	16
102	Investigation of Lorentz forces and radiation impacts on nanofluid treatment in a porous semi annulus via Darcy law. *Journal of Molecular Liquids*, **2018**, 272, 8-14	6	16
101	A note on some perfect fluid Kantowski–Sachs and Bianchi type III spacetimes and their conformal vector fields in f(R) theory of gravity. *Modern Physics Letters A*, **2019**, 34, 1950079	1.3	15
100	Onset of Cattaneo-Christov Heat Flux and Thermal Stratification in Ethylene-Glycol Based Nanofluid Flow Containing Carbon Nanotubes in a Rotating Frame. *IEEE Access*, **2019**, 7, 146190-146197	3.5	15
99	Double stratified radiative Jeffery magneto nanofluid flow along an inclined stretched cylinder with chemical reaction and slip condition. *European Physical Journal Plus*, **2017**, 132, 1	3.1	15
98	Comparative analysis of magnetized partially ionized copper, copper oxide-water and kerosene oil nanofluid flow with Cattaneo-Christov heat flux. *Scientific Reports*, **2020**, 10, 19300	4.9	15
97	Multiple slips impact in the MHD hybrid nanofluid flow with Cattaneo-Christov heat flux and autocatalytic chemical reaction. *Scientific Reports*, **2021**, 11, 14625	4.9	15
96	MHD Boundary Layer Flow of Carreau Fluid over a Convectively Heated Bidirectional Sheet with Non-Fourier Heat Flux and Variable Thermal Conductivity. *Symmetry*, **2019**, 11, 618	2.7	14
95	Upshot of Chemical Species and Nonlinear Thermal Radiation on Oldroyd-B Nanofluid Flow Past a Bi-directional Stretched Surface with Heat Generation/Absorption in a Porous Media. *Communications in Theoretical Physics*, **2018**, 70, 071	2.4	14
94	A Numerical Study of Magnetohydrodynamic Stagnation Point Flow of Nanofluid with Newtonian Heating. *Journal of Computational and Theoretical Nanoscience*, **2016**, 13, 8419-8426	0.3	14
93	Thermally stratified Darcy–Forchheimer nanofluid flow comprising carbon nanotubes with effects of Cattaneo–Christov heat flux and homogeneous–heterogeneous reactions. *Physica Scripta*, **2020**, 95, 015701	2.6	14
92	Application of response surface methodology on the nanofluid flow over a rotating disk with autocatalytic chemical reaction and entropy generation optimization. *Scientific Reports*, **2021**, 11, 4021	4.9	14
91	Bioconvective Reiner-Rivlin nanofluid flow over a rotating disk with Cattaneo-Christov flow heat flux and entropy generation analysis. *Scientific Reports*, **2021**, 11, 15859	4.9	14

90	Numerical iteration for nonlinear oscillators by Elzaki transform. *Journal of Low Frequency Noise Vibration and Active Control*, **2020**, 39, 879-884	1.5	13
89	A note on classification of spatially homogeneous rotating space-times in f(R) theory of gravity according to their proper conformal vector fields. *International Journal of Geometric Methods in Modern Physics*, **2019**, 16, 1950111	1.5	12
88	Thermally Stratified Darcy Forchheimer Flow on a Moving Thin Needle with Homogeneous Heterogeneous Reactions and Non-Uniform Heat Source/Sink. *Applied Sciences (Switzerland)*, **2020**, 10, 432	2.6	12
87	Partially ionized hybrid nanofluid flow with thermal stratification. *Journal of Materials Research and Technology*, **2021**, 11, 1457-1468	5.5	12
86	Study of heat transfer and entropy generation in ferrofluid under low oscillating magnetic field. *Indian Journal of Physics*, **2019**, 93, 749-758	1.4	12
85	Soret and Dufour Effects on Three Dimensional Upper-Convected Maxwell Fluid with Chemical Reaction and Non-Linear Radiative Heat Flux. *International Journal of Chemical Reactor Engineering*, **2017**, 15,	1.2	11
84	Classification of vacuum classes of plane fronted gravitational waves via proper conformal vector fields in f(R) gravity. *International Journal of Geometric Methods in Modern Physics*, **2019**, 16, 1950151	1.5	11
83	Numerical Simulation of Magnetohydrodynamic Radiative Flow of Casson Nanofluid with Chemical Reaction Past a Porous Media. *Journal of Computational and Theoretical Nanoscience*, **2017**, 14, 5788-5796	0.3	11
82	Impact of hall and ion slip in a thermally stratified nanofluid flow comprising Cu and AlO nanoparticles with nonuniform source/sink. *Scientific Reports*, **2020**, 10, 18064	4.9	11
81	A note on some Bianchi type II spacetimes and their conformal vector fields in f(R) theory of gravity. *Modern Physics Letters A*, **2019**, 34, 1950320	1.3	10
80	Chemical reaction and thermal radiation impact on a nanofluid flow in a rotating channel with Hall current. *Scientific Reports*, **2021**, 11, 19747	4.9	10
79	A novel model to analyze Darcy Forchheimer nanofluid flow in a permeable medium with Entropy generation analysis. *Journal of Taibah University for Science*, **2020**, 14, 916-930	3	10
78	Irreversibility minimization analysis of ferromagnetic Oldroyd-B nanofluid flow under the influence of a magnetic dipole. *Scientific Reports*, **2021**, 11, 4810	4.9	10
77	Thermophoretic particle deposition in the flow of dual stratified Casson fluid with magnetic dipole and generalized Fourier's and Fick's laws. *Case Studies in Thermal Engineering*, **2021**, 26, 101186	5.6	10
76	Nanofluid flow containing carbon nanotubes with quartic autocatalytic chemical reaction and Thompson and Troian slip at the boundary. *Scientific Reports*, **2020**, 10, 18710	4.9	9
75	Effect of second order slip condition on the flow of Tangent hyperbolic fluid—a novel perception of Cattaneo–Christov heat flux. *Physica Scripta*, **2019**, 94, 115707	2.6	9
74	Analyzing the impact of induced magnetic flux and Fourier's and Fick's theories on the Carreau-Yasuda nanofluid flow. *Scientific Reports*, **2021**, 11, 9230	4.9	9
73	Nonlinear radiative Maxwell nanofluid flow in a Darcy-Forchheimer permeable media over a stretching cylinder with chemical reaction and bioconvection. *Scientific Reports*, **2021**, 11, 9391	4.9	9

72	Computational Analysis for Mixed Convective Flows of Viscous Fluids With Nanoparticles. *Journal of Thermal Science and Engineering Applications*, **2019**, 11,	1.9	9
71	Modeling for solidification of water within a triplex-tube tank using nanoparticles. *Journal of Molecular Liquids*, **2020**, 313, 113532	6	8
70	Modeling of MHD hybrid nanofluid flow through permeable enclosure. *International Journal of Modern Physics C*, **2020**, 31, 2050106	1.1	8
69	Conformal vector fields in proper non-static plane symmetric spacetimes in f(R) gravity. *International Journal of Geometric Methods in Modern Physics*, **2020**, 17, 2050077	1.5	8
68	A NOTE ON SPHERICAL ELECTROMAGNETIC WAVE DIFFRACTION BY A PERFECTLY CONDUCTING STRIP IN A HOMOGENEOUS BI-ISOTROPIC MEDIUM. *Progress in Electromagnetics Research*, **2008**, 85, 169-194	3.8	8
67	Hydrodynamic and heat transfer analysis of dissimilar shaped nanoparticles-based hybrid nanofluids in a rotating frame with convective boundary condition.. *Scientific Reports*, **2022**, 12, 436	4.9	8
66	Numerical solutions of coupled nonlinear fractional KdV equations using He's fractional calculus. *International Journal of Modern Physics B*, **2021**, 35, 2150023	1.1	8
65	Numerical treatment of radiative Nickel-Zinc ferrite-Ethylene glycol nanofluid flow past a curved surface with thermal stratification and slip conditions. *Scientific Reports*, **2020**, 10, 16832	4.9	8
64	A fractional model of Casson fluid with ramped wall temperature: Engineering applications of engine oil. *Computational and Mathematical Methods*,e1162	0.9	8
63	Mechanical analysis of non-Newtonian nanofluid past a thin needle with dipole effect and entropic characteristics. *Scientific Reports*, **2021**, 11, 19378	4.9	8
62	Role of Cattaneo-Christov heat flux in an MHD Micropolar dusty nanofluid flow with zero mass flux condition. *Scientific Reports*, **2021**, 11, 19528	4.9	8
61	Existence of conformal vector fields of Bianchi type I space-times in f(R) gravity. *International Journal of Geometric Methods in Modern Physics*, **2020**, 17, 2050113	1.5	7
60	A note on proper curvature symmetry in general cylindrically symmetric four-dimensional Lorentzian manifolds. *International Journal of Geometric Methods in Modern Physics*, **2018**, 15, 1850105	1.5	7
59	Magnetic Line Source Diffraction by an Impedance Step. *IEEE Transactions on Antennas and Propagation*, **2009**, 57, 1289-1293	4.9	7
58	Analysis of Newtonian heating and higher-order chemical reaction on a Maxwell nanofluid in a rotating frame with gyrotactic microorganisms and variable heat source/sink. *Journal of King Saud University - Science*, **2021**, 33, 101645	3.6	7
57	Nanofluid flow with autocatalytic chemical reaction over a curved surface with nonlinear thermal radiation and slip condition. *Scientific Reports*, **2020**, 10, 18339	4.9	7
56	Impact of Nonlinear Chemical Reaction and Melting Heat Transfer on an MHD Nanofluid Flow over a Thin Needle in Porous Media. *Applied Sciences (Switzerland)*, **2019**, 9, 5492	2.6	7
55	Nanoparticle transportation through a permeable duct with Joule heating influence. *Microsystem Technologies*, **2019**, 25, 3571-3580	1.7	7

No.	Title	IF	Cit.
54	Time-dependent hydromagnetic stagnation point flow of a Maxwell nanofluid with melting heat effect and amended Fourier and Fick's laws. *Heat Transfer*, **2021**, 50, 4417-4434	3.1	7
53	Impact of Hall Current on a 3D Casson Nanofluid Flow Past a Rotating Deformable Disk with Variable Characteristics. *Arabian Journal for Science and Engineering*, **2021**, 46, 12653	2.5	7
52	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
51	A note on proper homothetic vector fields in plane symmetric perfect fluid static spacetimes in f(R, T) theory of gravity. *Modern Physics Letters A*, **2019**, 34, 1950189	1.3	6
50	Numerical Analysis of Carbon Nanotube-Based Nanofluid Unsteady Flow Amid Two Rotating Disks with Hall Current Coatings and Homogeneous Heterogeneous Reactions. *Coatings*, **2020**, 10, 48	2.9	6
49	A note on classification of static plane symmetric perfect fluid space-times via proper conformal vector fields in f(G) theory of gravity. *International Journal of Geometric Methods in Modern Physics*, **2020**, 17, 2050086	1.5	6
48	Comparative study of hybrid and nanofluid flows amidst two rotating disks with thermal stratification: Statistical and numerical approaches. *Case Studies in Thermal Engineering*, **2021**, 28, 101598	5.6	6
47	Von Karman rotating nanofluid flow with modified Fourier law and variable characteristics in liquid and gas scenarios. *Scientific Reports*, **2021**, 11, 16442	4.9	6
46	Classification of proper non-static cylindrically symmetric perfect fluid space-times via conformal vector fields in f(R) gravity. *International Journal of Geometric Methods in Modern Physics*, **2020**, 17, 2050147	1.5	5
45	DIFFRACTION OF PLANE WAVES BY A SLIT IN AN INFINITE SOFT-HARD PLANE. *Progress in Electromagnetics Research B*, **2009**, 11, 103-131	0.7	5
44	Acoustic diffraction by an oscillating strip. *Applied Mathematics and Computation*, **2009**, 214, 201-209	2.7	5
43	PROPER CURVATURE COLLINEATIONS IN NONSTATIC SPHERICALLY SYMMETRIC SPACE TIMES. *International Journal of Modern Physics A*, **2008**, 23, 749-759	1.2	5
42	Heat transfer analysis of the mixed convective flow of magnetohydrodynamic hybrid nanofluid past a stretching sheet with velocity and thermal slip conditions.. *PLoS ONE*, **2021**, 16, e0260854	3.7	5
41	Performance-based comparison of Yamada-Ota and Hamilton-Crosser hybrid nanofluid flow models with magnetic dipole impact past a stretched surface.. *Scientific Reports*, **2022**, 12, 29	4.9	5
40	A novel approach for EMHD Williamson nanofluid over nonlinear sheet with double stratification and Ohmic dissipation. *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering*, 095440892110596	1.5	5
39	Flow of Rheological Nanofluid Over a Static Wedge. *Journal of Nanofluids*, **2019**, 8, 1362-1366	2.2	5
38	Impact of melting heat transfer in the bioconvective Casson nanofluid flow past a stretching cylinder with entropy generation minimization analysis. *International Journal of Modern Physics B*,	1.1	5
37	Comparative analysis of Maxwell and Xue models for a hybrid nanofluid film flow on an inclined moving substrate. *Case Studies in Thermal Engineering*, **2021**, 28, 101598	5.6	5

36	Conformal vector fields of some vacuum classes of static spherically symmetric space-times in f(T,B) gravity. *International Journal of Geometric Methods in Modern Physics*, **2020**, 17, 2050149	1.5	5
35	Impact of autocatalytic chemical reaction in an Ostwald-de-Waele nanofluid flow past a rotating disk with heterogeneous catalysis. *Scientific Reports*, **2021**, 11, 15526	4.9	5
34	Position Control of Switched Reluctance Motor Using Super Twisting Algorithm. *Mathematical Problems in Engineering*, **2016**, 2016, 1-9	1.1	5
33	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
32	A numerical study of chemical reaction in a nanofluid flow due to rotating disk in the presence of magnetic field. *Scientific Reports*, **2021**, 11, 19399	4.9	5
31	Dissipated electroosmotic EMHD hybrid nanofluid flow through the micro-channel.. *Scientific Reports*, **2022**, 12, 4771	4.9	5
30	Conformal vector fields of static spherically symmetric space-times in f(R,G) gravity. *International Journal of Geometric Methods in Modern Physics*, **2020**, 17, 2050120	1.5	3
29	Line source and point source diffraction by a reactive step. *Journal of Modern Optics*, **2009**, 56, 893-902	1.1	3
28	A note on plane wave diffraction by a perfectly conducting strip in a homogeneous bi-isotropic medium. *Optics Express*, **2008**, 16, 13203-17	3.3	3
27	Entropy Minimization Analysis of a Partially Ionized Casson Nanofluid Flow over a Bidirectional Stretching Sheet with Surface Catalyzed Reaction. *Arabian Journal for Science and Engineering*,1	2.5	3
26	Significance low oscillating magnetic field and Hall current in the nano-ferrofluid flow past a rotating stretchable disk. *Scientific Reports*, **2021**, 11, 23204	4.9	3
25	Influence of autocatalytic chemical reaction with heterogeneous catalysis in the flow of Ostwald-de-Waele nanofluid past a rotating disk with variable thickness in porous media. *International Communications in Heat and Mass Transfer*, **2021**, 128, 105653	5.8	3
24	Classification of non-conformally flat static plane symmetric perfect fluid solutions via proper conformal vector fields in f(T) gravity. *International Journal of Geometric Methods in Modern Physics*, **2020**, 17, 2050218	1.5	3
23	3D Bio-convective nanofluid Blewadt slip flow comprising gyrotactic microorganisms over a stretched stationary disk with modified Fourier law. *Physica Scripta*, **2021**, 96, 075702	2.6	3
22	Significance of induced hybridized metallic and non-metallic nanoparticles in single-phase nano liquid flow between permeable disks by analyzing shape factor.. *Scientific Reports*, **2022**, 12, 3342	4.9	3
21	Diffraction of a plane wave by a soft/hard strip. *Optics Communications*, **2009**, 282, 4322-4328	2	2
20	Diffraction of waves by an oscillating source and an oscillating half plane. *Journal of Modern Optics*, **2009**, 56, 1335-1340	1.1	2
19	A note on proper curvature collineations in Bianchi type VIII and IX space-times. *Gravitation and Cosmology*, **2010**, 16, 61-64	1.3	2

No.	Publication	IF	Citations
18	EMHD hybrid squeezing nanofluid flow with variable features and irreversibility analysis. *Physica Scripta*, **2022**, 97, 025705	2.6	2
17	Slip flow through a non-uniform channel under the influence of transverse magnetic field. *Scientific Reports*, **2018**, 8, 13137	4.9	2
16	Influence of slip velocity on the flow of viscous fluid through a porous medium in a permeable tube with a variable bulk flow rate. *Results in Physics*, **2018**, 11, 861-868	3.7	2
15	Comparative Analysis of Five Nanoparticles in the Flow of Viscous Fluid with Nonlinear Radiation and Homogeneous-Heterogeneous Reaction. *Arabian Journal for Science and Engineering*,1	2.5	2
14	Homotopic simulation for heat transport phenomenon of the Burgers nanofluids flow over a stretching cylinder with thermal convective and zero mass flux conditions. *Nanotechnology Reviews*, **2022**, 11, 1437-1449	6.3	2
13	Comparative study of hybrid and nanofluid flows over an exponentially stretched curved surface with modified Fourier law and dust particles. *Waves in Random and Complex Media*,1-21	1.9	2
12	A note on cylindrical wave diffraction by a perfectly conducting strip in a homogeneous bi-isotropic medium. *Journal of Modern Optics*, **2008**, 55, 2805-2818	1.1	1
11	Analytical study of creeping flow of Maxwell fluid in a permeable slit with linear re-absorption. *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*,095440622110687	1.3	1
10	Conformal vector fields for some vacuum classes of pp-waves space-times in ghost free infinite derivative gravity. *International Journal of Geometric Methods in Modern Physics*, **2021**, 18, 2150109	1.5	1
9	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
8	On hybrid nanofluid Yamada-Ota and Xue flow models in a rotating channel with modified Fourier law. *Scientific Reports*, **2021**, 11, 19590	4.9	1
7	Numerical simulation for stagnation-point flow of nanofluid over a spiraling disk through porous media. *Waves in Random and Complex Media*,1-20	1.9	0
6	Hybrid Nanofluid Flow Induced by an Oscillating Disk Considering Surface Catalyzed Reaction and Nanoparticles Shape Factor. *Nanomaterials*, **2022**, 12, 1794	5.4	0
5	Conformal and Disformal Structure of 3D Circularly Symmetric Static Metric in f(R) Theory of Gravity. *Mehran University Research Journal of Engineering and Technology*, **2020**, 39, 111-116	0.6	
4	Diffraction of Transient Cylindrical Waves by a Rigid Oscillating Strip. *Applied Sciences (Switzerland)*, **2020**, 10, 3568	2.6	
3	Mathematical analysis of two-layer calendering of isothermal Newtonian fluids with different viscosities. *European Physical Journal Plus*, **2022**, 137, 1	3.1	
2	Maxwell nanofluid flow influenced by variable characteristics and higher-order chemical reaction with convective conditions in a rotating frame. *Waves in Random and Complex Media*,1-28	1.9	
1	Numerical analysis of two-layered isothermal calendering of viscoplastic and Newtonian fluids with different viscosity ratios. *Journal of Plastic Film and Sheeting*,875608792210939	2.4	