

Muhammad Ramzan

List of Publications by Year in descending order

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docs citations

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times ranked

1486
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#	ARTICLE	IF	CITATIONS
1	Model-based comparative study of magnetohydrodynamics unsteady hybrid nanofluid flow between two infinite parallel plates with particle shape effects. <i>Mathematical Methods in the Applied Sciences</i> , 2023, 46, 11568-11582.	2.3	198
2	MHD three-dimensional flow of couple stress fluid with Newtonian heating. <i>European Physical Journal Plus</i> , 2013, 128, 1.	2.6	92
3	Significance of Darcy-Forchheimer Porous Medium in Nanofluid Through Carbon Nanotubes. <i>Communications in Theoretical Physics</i> , 2018, 70, 361.	2.5	90
4	Radiative and Joule heating effects in the MHD flow of a micropolar fluid with partial slip and convective boundary condition. <i>Journal of Molecular Liquids</i> , 2016, 221, 394-400.	5.0	86
5	MHD flow of Maxwell fluid with nanomaterials due to an exponentially stretching surface. <i>Scientific Reports</i> , 2019, 9, 7312.	3.5	85
6	Radiative magnetohydrodynamic nanofluid flow due to gyrotactic microorganisms with chemical reaction and non-linear thermal radiation. <i>International Journal of Mechanical Sciences</i> , 2017, 130, 31-40.	6.9	82
7	Flow of Casson nanofluid with viscous dissipation and convective conditions: A mathematical model. <i>Journal of Central South University</i> , 2015, 22, 1132-1140.	3.1	79
8	Radiative Williamson nanofluid flow over a convectively heated Riga plate with chemical reaction-A numerical approach. <i>Chinese Journal of Physics</i> , 2017, 55, 1663-1673.	4.1	76
9	Buoyancy effects on the radiative magneto Micropolar nanofluid flow with double stratification, activation energy and binary chemical reaction. <i>Scientific Reports</i> , 2017, 7, 12901.	3.5	76
10	Mixed convective flow of Maxwell nanofluid past a porous vertical stretched surface – An optimal solution. <i>Results in Physics</i> , 2016, 6, 1072-1079.	4.2	62
11	Influence of homogeneous-heterogeneous reactions on MHD 3D Maxwell fluid flow with Cattaneo-Christov heat flux and convective boundary condition. <i>Journal of Molecular Liquids</i> , 2017, 230, 415-422.	5.0	62
12	Three-dimensional flow of an elastico-viscous nanofluid with chemical reaction and magnetic field effects. <i>Journal of Molecular Liquids</i> , 2016, 215, 212-220.	5.0	60
13	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. <i>Scientific Reports</i> , 2021, 11, 2357.	3.5	59
14	Partial slip effect in the flow of MHD micropolar nanofluid flow due to a rotating disk – A numerical approach. <i>Results in Physics</i> , 2017, 7, 3557-3566.	4.2	58
15	Onset of gyrotactic microorganisms in MHD Micropolar nanofluid flow with partial slip and double stratification. <i>Journal of King Saud University - Science</i> , 2020, 32, 2741-2751.	3.6	58
16	Effects of Variable Thermal Conductivity and Non-linear Thermal Radiation Past an Eyring Powell Nanofluid Flow with Chemical Reaction. <i>Communications in Theoretical Physics</i> , 2017, 67, 723.	2.5	57
17	Unsteady hybrid-nanofluid flow comprising ferrous oxide and CNTs through porous horizontal channel with dilating/squeezing walls. <i>Scientific Reports</i> , 2021, 11, 12637.	3.5	57
18	Upshot of melting heat transfer in a Von Karman rotating flow of gold-silver/engine oil hybrid nanofluid with Cattaneo-Christov heat flux. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101149.	5.9	57

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19	Effects of thermal and solutal stratification on jeffrey magneto-nanofluid along an inclined stretching cylinder with thermal radiation and heat generation/absorption. <i>International Journal of Mechanical Sciences</i> , 2017, 131-132, 317-324.	6.9	56
20	On the convective heat and zero nanoparticle mass flux conditions in the flow of 3D MHD Couple Stress nanofluid over an exponentially stretched surface. <i>Scientific Reports</i> , 2019, 9, 562.	3.5	56
21	MHD stagnation point Cattaneo-Christov heat flux in Williamson fluid flow with homogeneous-heterogeneous reactions and convective boundary condition A numerical approach. <i>Journal of Molecular Liquids</i> , 2017, 225, 856-862.	5.0	54
22	Significance of Hall effect and Ion slip in a three-dimensional bioconvective Tangent hyperbolic nanofluid flow subject to Arrhenius activation energy. <i>Scientific Reports</i> , 2020, 10, 18342.	3.5	54
23	Comparative analysis of Yamada-Ota and Xue models for hybrid nanofluid flow amid two concentric spinning disks with variable thermophysical characteristics. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101039.	5.9	54
24	Nonlinear radiation effect on MHD Carreau nanofluid flow over a radially stretching surface with zero mass flux at the surface. <i>Scientific Reports</i> , 2018, 8, 3709.	3.5	53
25	Magnetized suspended carbon nanotubes based nanofluid flow with bio-convection and entropy generation past a vertical cone. <i>Scientific Reports</i> , 2019, 9, 12225.	3.5	53
26	Hall current effect on unsteady rotational flow of carbon nanotubes with dust particles and nonlinear thermal radiation in Darcy-Forchheimer porous media. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 3127-3137.	3.6	53
27	Solidification of PCM with nano powders inside a heat exchanger. <i>Journal of Molecular Liquids</i> , 2020, 306, 112892.	5.0	53
28	Multiple slips impact in the MHD hybrid nanofluid flow with Cattaneo-Christov heat flux and autocatalytic-chemical reaction. <i>Scientific Reports</i> , 2021, 11, 14625.	3.5	52
29	Upshot of binary chemical reaction and activation energy on carbon nanotubes with Cattaneo-Christov heat flux and buoyancy effects. <i>Physics of Fluids</i> , 2017, 29, .	3.9	51
30	Boundary layer flow of third grade nanofluid with Newtonian heating and viscous dissipation. <i>Journal of Central South University</i> , 2015, 22, 360-367.	3.1	50
31	Effects of MHD homogeneous-heterogeneous reactions on third grade fluid flow with Cattaneo-Christov heat flux. <i>Journal of Molecular Liquids</i> , 2016, 223, 1284-1290.	5.0	49
32	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.	2.3	49
33	Role of bioconvection in a three dimensional tangent hyperbolic partially ionized magnetized nanofluid flow with Cattaneo-Christov heat flux and activation energy. <i>International Communications in Heat and Mass Transfer</i> , 2021, 120, 104994.	5.7	48
34	Unsteady squeezing carbon nanotubes based nano-liquid flow with Cattaneo-Christov heat flux and homogeneous-heterogeneous reactions. <i>Applied Nanoscience (Switzerland)</i> , 2019, 9, 169-178.	3.1	45
35	Three dimensional flow of an Oldroyd-B fluid with Newtonian heating. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2015, 25, 68-85.	3.0	44
36	A numerical treatment of radiative nanofluid 3D flow containing gyrotactic microorganism with anisotropic slip, binary chemical reaction and activation energy. <i>Scientific Reports</i> , 2017, 7, 17008.	3.5	43

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37	MHD stagnation point flow by a permeable stretching cylinder with Soret-Dufour effects. Journal of Central South University, 2015, 22, 707-716.	3.1	41
38	Impact of Nonlinear Thermal Radiation and Entropy Optimization Coatings with Hybrid Nanoliquid Flow Past a Curved Stretched Surface. Coatings, 2018, 8, 430.	2.7	40
39	Effects of Chemical Species and Nonlinear Thermal Radiation with 3D Maxwell Nanofluid Flow with Double Stratification—An Analytical Solution. Entropy, 2020, 22, 453.	2.3	39
40	Nanomaterial between two plates which are squeezed with impose magnetic force. Journal of Thermal Analysis and Calorimetry, 2021, 144, 1023-1029.	3.6	39
41	Three dimensional boundary layer flow of a viscoelastic nanofluid with Soret and Dufour effects. AEJ - Alexandria Engineering Journal, 2016, 55, 311-319.	6.7	38
42	A numerical treatment of MHD radiative flow of Micropolar nanofluid with homogeneous-heterogeneous reactions past a nonlinear stretched surface. Scientific Reports, 2018, 8, 12431.	3.5	38
43	Flow of nanofluid with Cattaneo—Christov heat flux model. Applied Nanoscience (Switzerland), 2020, 10, 2989-2999.	3.1	38
44	Bioconvective Reiner—Rivlin nanofluid flow over a rotating disk with Cattaneo—Christov flow heat flux and entropy generation analysis. Scientific Reports, 2021, 11, 15859.	3.5	38
45	Chemical reaction and thermal radiation impact on a nanofluid flow in a rotating channel with Hall current. Scientific Reports, 2021, 11, 19747.	3.5	38
46	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.	3.5	37
47	A Thin Film Flow of Nanofluid Comprising Carbon Nanotubes Influenced by Cattaneo-Christov Heat Flux and Entropy Generation. Coatings, 2019, 9, 296.	2.7	36
48	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, 354.	2.3	35
49	Boundary layer flow of three-dimensional viscoelastic nanofluid past a bi-directional stretching sheet with Newtonian heating. AIP Advances, 2015, 5, .	1.3	34
50	Mixed convective radiative flow of second grade nanofluid with convective boundary conditions: An optimal solution. Results in Physics, 2016, 6, 796-804.	4.2	34
51	Unsteady MHD carbon nanotubes suspended nanofluid flow with thermal stratification and nonlinear thermal radiation. AEJ - Alexandria Engineering Journal, 2020, 59, 1557-1566.	6.7	34
52	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.	5.9	33
53	Mechanical analysis of non-Newtonian nanofluid past a thin needle with dipole effect and entropic characteristics. Scientific Reports, 2021, 11, 19378.	3.5	33
54	On MHD radiative Jeffery nanofluid flow with convective heat and mass boundary conditions. Neural Computing and Applications, 2018, 30, 2739-2748.	5.7	32

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55	A Numerical Investigation of 3D MHD Rotating Flow with Binary Chemical Reaction, Activation Energy and Non-Fourier Heat Flux. <i>Communications in Theoretical Physics</i> , 2018, 70, 089.	2.5	32
56	An entropy optimization study of non-Darcian magnetohydrodynamic Williamson nanofluid with nonlinear thermal radiation over a stratified sheet. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2021, 235, 1883-1894.	2.5	32
57	Analysis of the MHD partially ionized GO-Ag/water and GO-Ag/kerosene oil hybrid nanofluids flow over a stretching surface with Cattaneo-Christov double diffusion model: A comparative study. <i>International Communications in Heat and Mass Transfer</i> , 2022, 136, 106205.	5.7	32
58	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. <i>Physics of Fluids</i> , 2017, 29, .	3.9	31
59	Computational analysis of three layer fluid model including a nanomaterial layer. <i>International Journal of Heat and Mass Transfer</i> , 2018, 122, 222-228.	4.9	31
60	Entropy Analysis of Carbon Nanotubes Based Nanofluid Flow Past a Vertical Cone with Thermal Radiation. <i>Entropy</i> , 2019, 21, 642.	2.3	31
61	HE-ELZAKI METHOD FOR SPATIAL DIFFUSION OF BIOLOGICAL POPULATION. <i>Fractals</i> , 2019, 27, 1950069.	3.7	31
62	Comparative analysis of magnetized partially ionized copper, copper oxide-water and kerosene oil nanofluid flow with Cattaneo-Christov heat flux. <i>Scientific Reports</i> , 2020, 10, 19300.	3.5	31
63	Nonlinear radiative Maxwell nanofluid flow in a Darcy-Forchheimer permeable media over a stretching cylinder with chemical reaction and bioconvection. <i>Scientific Reports</i> , 2021, 11, 9391.	3.5	31
64	Hydrodynamic and heat transfer analysis of dissimilar shaped nanoparticles-based hybrid nanofluids in a rotating frame with convective boundary condition. <i>Scientific Reports</i> , 2022, 12, 436.	3.5	30
65	Dissipated electroosmotic EMHD hybrid nanofluid flow through the micro-channel. <i>Scientific Reports</i> , 2022, 12, 4771.	3.5	30
66	Classification of static spherically symmetric space-times in $f(R)$ theory of gravity according to their conformal vector fields. <i>International Journal of Geometric Methods in Modern Physics</i> , 2018, 15, 1850193.	2.1	29
67	Numerical iteration for nonlinear oscillators by Elzaki transform. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , 2020, 39, 879-884.	2.9	29
68	Upshot of heterogeneous catalysis in a nanofluid flow over a rotating disk with slip effects and Entropy optimization analysis. <i>Scientific Reports</i> , 2021, 11, 120.	3.5	29
69	Significance of magnetic Reynolds number in a three-dimensional squeezing Darcy-Forchheimer hydromagnetic nanofluid thin-film flow between two rotating disks. <i>Scientific Reports</i> , 2020, 10, 17208.	3.5	28
70	Melting heat transfer and entropy optimization owing to carbon nanotubes suspended Casson nanoliquid flow past a swirling cylinder-A numerical treatment. <i>AIP Advances</i> , 2018, 8, .	1.3	27
71	MHD Boundary Layer Flow of Carreau Fluid over a Convectively Heated Bidirectional Sheet with Non-Fourier Heat Flux and Variable Thermal Conductivity. <i>Symmetry</i> , 2019, 11, 618.	2.3	27
72	Upshot of magnetic dipole on the flow of nanofluid along a stretched cylinder with gyrotactic microorganism in a stratified medium. <i>Physica Scripta</i> , 2020, 95, 025702.	2.5	27

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73	Numerical Simulation of 3D Condensation Nanofluid Film Flow with Carbon Nanotubes on an Inclined Rotating Disk. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 168.	2.6	27
74	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. <i>Communications in Theoretical Physics</i> , 2020, 72, 085801.	2.5	27
75	Dynamics of Williamson Ferro-nanofluid due to bioconvection in the portfolio of magnetic dipole and activation energy over a stretching sheet. <i>International Communications in Heat and Mass Transfer</i> , 2022, 137, 106245.	5.7	27
76	Partially ionized hybrid nanofluid flow with thermal stratification. <i>Journal of Materials Research and Technology</i> , 2021, 11, 1457-1468.	5.9	26
77	Entropy Analysis of 3D Non-Newtonian MHD Nanofluid Flow with Nonlinear Thermal Radiation Past over Exponential Stretched Surface. <i>Entropy</i> , 2018, 20, 930.	2.3	25
78	A note on some perfect fluid Kantowski-Sachs and Bianchi type III spacetimes and their conformal vector fields in $f(R)$ theory of gravity. <i>Modern Physics Letters A</i> , 2019, 34, 1950079.	1.3	25
79	Impact of Second-Order Slip and Double Stratification Coatings on 3D MHD Williamson Nanofluid Flow with Cattaneo-Christov Heat Flux. <i>Coatings</i> , 2019, 9, 849.	2.7	25
80	Numerical approach for nanofluid transportation due to electric force in a porous enclosure. <i>Microsystem Technologies</i> , 2019, 25, 2501-2514.	2.1	25
81	Thermally Stratified Darcy Forchheimer Flow on a Moving Thin Needle with Homogeneous Heterogeneous Reactions and Non-Uniform Heat Source/Sink. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 432.	2.6	25
82	Performance-based comparison of Yamada-Ota and Hamilton-Crosser hybrid nanofluid flow models with magnetic dipole impact past a stretched surface. <i>Scientific Reports</i> , 2022, 12, 29.	3.5	25
83	Classification of static cylindrically symmetric spacetimes in $f(R)$ theory of gravity by conformal motions with perfect fluid matter. <i>Arabian Journal of Mathematics</i> , 2019, 8, 115-123.	1.0	24
84	A fractional model of Casson fluid with ramped wall temperature: Engineering applications of engine oil. <i>Computational and Mathematical Methods</i> , 2021, 3, e1162.	0.9	24
85	Mixed Convective Viscoelastic Nanofluid Flow Past a Porous Media with Soret-Dufour Effects. <i>Communications in Theoretical Physics</i> , 2016, 66, 133-142.	2.5	23
86	A note on some Bianchi type II spacetimes and their conformal vector fields in $f(R)$ theory of gravity. <i>Modern Physics Letters A</i> , 2019, 34, 1950320.	1.3	23
87	A novel model to analyze Darcy Forchheimer nanofluid flow in a permeable medium with Entropy generation analysis. <i>Journal of Taibah University for Science</i> , 2020, 14, 916-930.	2.6	23
88	Soret and Dufour effects on a Casson nanofluid flow past a deformable cylinder with variable characteristics and Arrhenius activation energy. <i>Scientific Reports</i> , 2021, 11, 19282.	3.5	23
89	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. <i>Journal of King Saud University - Science</i> , 2021, 33, 101645.	3.6	23
90	Dust static plane symmetric solutions and their conformal vector fields in $f(R)$ theory of gravity. <i>Modern Physics Letters A</i> , 2018, 33, 1850222.	1.3	22

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91	Investigation of Lorentz forces and radiation impacts on nanofluid treatment in a porous semi annulus via Darcy law. <i>Journal of Molecular Liquids</i> , 2018, 272, 8-14.	5.0	22
92	Classification of vacuum classes of plane fronted gravitational waves via proper conformal vector fields in $f(R)$ gravity. <i>International Journal of Geometric Methods in Modern Physics</i> , 2019, 16, 1950151.	2.1	22
93	Simulation of natural convection of Fe ₃ O ₄ -water ferrofluid in a circular porous cavity in the presence of a magnetic field. <i>European Physical Journal Plus</i> , 2019, 134, 1.	2.6	22
94	Influence of adding nanoparticles on solidification in a heat storage system considering radiation effect. <i>Journal of Molecular Liquids</i> , 2019, 273, 589-605.	5.0	22
95	Onset of Cattaneo-Christov Heat Flux and Thermal Stratification in Ethylene-Glycol Based Nanofluid Flow Containing Carbon Nanotubes in a Rotating Frame. <i>IEEE Access</i> , 2019, 7, 146190-146197.	4.4	21
96	A note on classification of spatially homogeneous rotating space-times in $f(R)$ theory of gravity according to their proper conformal vector fields. <i>International Journal of Geometric Methods in Modern Physics</i> , 2019, 16, 1950111.	2.1	21
97	Nanofluid flow containing carbon nanotubes with quartic autocatalytic chemical reaction and Thompson and Troian slip at the boundary. <i>Scientific Reports</i> , 2020, 10, 18710.	3.5	21
98	On three-dimensional MHD Oldroyd-B fluid flow with nonlinear thermal radiation and homogeneous heterogeneous reaction. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2018, 40, 1.	1.7	20
99	Nanofluid flow with autocatalytic chemical reaction over a curved surface with nonlinear thermal radiation and slip condition. <i>Scientific Reports</i> , 2020, 10, 18339.	3.5	20
100	Role of Cattaneo-Christov heat flux in an MHD Micropolar dusty nanofluid flow with zero mass flux condition. <i>Scientific Reports</i> , 2021, 11, 19528.	3.5	20
101	Entropy Minimization Analysis of a Partially Ionized Casson Nanofluid Flow over a Bidirectional Stretching Sheet with Surface Catalyzed Reaction. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 15209-15221.	3.1	20
102	Homotopic simulation for heat transport phenomenon of the Burgers nanofluids flow over a stretching cylinder with thermal convective and zero mass flux conditions. <i>Nanotechnology Reviews</i> , 2022, 11, 1437-1449.	5.9	20
103	Magnetic Dipole and Thermophoretic Particle Deposition Impact on Bioconvective Oldroyd-B Fluid Flow over a Stretching Surface with Cattaneo-Christov Heat Flux. <i>Nanomaterials</i> , 2022, 12, 2181.	4.2	20
104	Thermally stratified Darcy-Forchheimer nanofluid flow comprising carbon nanotubes with effects of Cattaneo-Christov heat flux and homogeneous heterogeneous reactions. <i>Physica Scripta</i> , 2020, 95, 015701.	2.5	19
105	Soret-Dufour impact on a three-dimensional Casson nanofluid flow with dust particles and variable characteristics in a permeable media. <i>Scientific Reports</i> , 2021, 11, 14513.	3.5	19
106	A numerical study of nanofluid flow over a curved surface with Cattaneo-Christov heat flux influenced by induced magnetic field. <i>Numerical Heat Transfer; Part A: Applications</i> , 2023, 83, 197-212.	2.2	19
107	Irreversibility minimization analysis of ferromagnetic Oldroyd-B nanofluid flow under the influence of a magnetic dipole. <i>Scientific Reports</i> , 2021, 11, 4810.	3.5	18
108	Impact of Hall Current on a 3D Casson Nanofluid Flow Past a Rotating Deformable Disk with Variable Characteristics. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 12653-12666.	3.1	18

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109	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	17
110	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.	2.6	17
111	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.	2.5	17
112	Impact of hall and ion slip in a thermally stratified nanofluid flow comprising Cu and Al ₂ O ₃ nanoparticles with nonuniform source/sink. Scientific Reports, 2020, 10, 18064.	3.5	17
113	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.	2.1	17
114	Study of heat transfer and entropy generation in ferrofluid under low oscillating magnetic field. Indian Journal of Physics, 2019, 93, 749-758.	1.7	16
115	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.	2.7	16
116	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.	3.5	16
117	Von Karman rotating nanofluid flow with modified Fourier law and variable characteristics in liquid and gas scenarios. Scientific Reports, 2021, 11, 16442.	3.5	16
118	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, 101596.	5.9	16
119	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.	3.5	16
120	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	15
121	A Numerical Study of Magnetohydrodynamic Stagnation Point Flow of Nanofluid with Newtonian Heating. Journal of Computational and Theoretical Nanoscience, 2016, 13, 8419-8426.	0.5	15
122	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.	2.5	14
123	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.	5.9	14
124	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, 2021, 35, .	1.9	14
125	EMHD hybrid squeezing nanofluid flow with variable features and irreversibility analysis. Physica Scripta, 2022, 97, 025705.	2.5	14
126	Hybrid Nanofluid Flow Induced by an Oscillating Disk Considering Surface Catalyzed Reaction and Nanoparticles Shape Factor. Nanomaterials, 2022, 12, 1794.	4.2	14

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127	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.	4.2	13
128	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.	3.5	13
129	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.	2.1	13
130	Numerical solutions of coupled nonlinear fractional KdV equations using He–T’s fractional calculus. International Journal of Modern Physics B, 2021, 35, 2150023.	1.9	13
131	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.	0.5	13
132	Numerical appraisal of Yamada–Ota hybrid nanofluid flow over a cylindrical surface and a sheet with surface-catalyzed reaction using Keller box approximations. International Journal of Modern Physics B, 2023, 37, .	1.9	13
133	Computational Analysis for Mixed Convective Flows of Viscous Fluids With Nanoparticles. Journal of Thermal Science and Engineering Applications, 2019, 11, .	1.5	12
134	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.	5.7	12
135	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, 2022, 32, 3053-3073.	2.7	12
136	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	11
137	Modeling for solidification of water within a triplex-tube tank using nanoparticles. Journal of Molecular Liquids, 2020, 313, 113532.	5.0	11
138	Modeling of MHD hybrid nanofluid flow through permeable enclosure. International Journal of Modern Physics C, 2020, 31, 2050106.	1.6	11
139	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	11
140	Thermal performance comparative analysis of nanofluid flows at an oblique stagnation point considering Xue model: a solar application. Journal of Computational Design and Engineering, 2022, 9, 201-215.	3.2	11
141	Variable viscosity effects on the flow of MHD hybrid nanofluid containing dust particles over a needle with Hall current—a Xue model exploration. Communications in Theoretical Physics, 2022, 74, 055801.	2.5	11
142	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.	4.7	10
143	Slip flow through a non-uniform channel under the influence of transverse magnetic field. Scientific Reports, 2018, 8, 13137.	3.5	10
144	Nanoparticle transportation through a permeable duct with Joule heating influence. Microsystem Technologies, 2019, 25, 3571-3580.	2.1	10

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145	Classification of non-conformally flat static plane symmetric perfect fluid solutions via proper conformal vector fields in $f(T)$ gravity. <i>International Journal of Geometric Methods in Modern Physics</i> , 2020, 17, 2050218.	2.1	10
146	Conformal vector fields of some vacuum classes of static spherically symmetric space-times in $f(T,B)$ gravity. <i>International Journal of Geometric Methods in Modern Physics</i> , 2020, 17, 2050149.	2.1	10
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156	Acoustic diffraction by an oscillating strip. <i>Applied Mathematics and Computation</i> , 2009, 214, 201-209.	2.3	8
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