

Nehad Ali Shah

List of Publications by Year in Descending Order

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

126
papers

1,517
citations

20
h-index

32
g-index

137
ext. papers

2,264
ext. citations

3.1
avg. IF

5.86
L-index

| # | Paper | IF | Citations |
|-----|---|-----|-----------|
| 126 | Induced magnetic field and viscous dissipation on flows of two immiscible fluids in a rectangular channel.. <i>Scientific Reports</i> , 2022 , 12, 39 | 4.9 | 2 |
| 125 | Novel Analytical Technique to Find Closed Form Solutions of Time Fractional Partial Differential Equations. <i>Fractal and Fractional</i> , 2022 , 6, 24 | 3 | 1 |
| 124 | Some New Versions of Hermite-Badamard Integral Inequalities in Fuzzy Fractional Calculus for Generalized Pre-Invx Functions via Fuzzy-Interval-Valued Settings. <i>Fractal and Fractional</i> , 2022 , 6, 83 | 3 | 12 |
| 123 | MHD Hybrid Nanofluid Mixed Convection Heat Transfer and Entropy Generation in a 3-D Triangular Porous Cavity with Zigzag Wall and Rotating Cylinder. <i>Mathematics</i> , 2022 , 10, 769 | 2.3 | 10 |
| 122 | Modified Exp-Function Method to Find Exact Solutions of Ionic Currents along Microtubules. <i>Mathematics</i> , 2022 , 10, 851 | 2.3 | 0 |
| 121 | Analytic simulation of thermophoretic second grade fluid flow past a vertical surface with variable fluid characteristics and convective heating.. <i>Scientific Reports</i> , 2022 , 12, 5445 | 4.9 | 4 |
| 120 | An Efficient Technique of Fractional-Order Physical Models Involving Laplace Transform. <i>Mathematics</i> , 2022 , 10, 816 | 2.3 | 5 |
| 119 | Generalized Exp-Function Method to Find Closed Form Solutions of Nonlinear Dispersive Modified Benjamin-Bona-Mahony Equation Defined by Seismic Sea Waves. <i>Mathematics</i> , 2022 , 10, 1026 | 2.3 | 1 |
| 118 | Analytical Fuzzy Analysis of a Fractional-Order Newell-Whitehead-Segel Model with Mittag-Leffler Kernel. <i>Journal of Function Spaces</i> , 2022 , 2022, 1-12 | 0.8 | |
| 117 | Fractional Analysis of Coupled Burgers Equations within Yang Caputo-Fabrizio Operator. <i>Journal of Function Spaces</i> , 2022 , 2022, 1-13 | 0.8 | 6 |
| 116 | Strong Convergence of a New Hybrid Iterative Scheme for Nonexpensive Mappings and Applications. <i>Journal of Function Spaces</i> , 2022 , 2022, 1-11 | 0.8 | 3 |
| 115 | Analytical Investigation of Fractional-Order Korteweg-De-Vries-Type Equations under Atangana-Baleanu-Caputo Operator: Modeling Nonlinear Waves in a Plasma and Fluid. <i>Symmetry</i> , 2022 , 14, 739 | 2.7 | 14 |
| 114 | 3D Flow of Hybrid Nanomaterial through a Circular Cylinder: Saddle and Nodal Point Aspects. <i>Mathematics</i> , 2022 , 10, 1185 | 2.3 | 3 |
| 113 | Novel Evaluation of Fuzzy Fractional Cauchy Reaction-Diffusion Equation. <i>Journal of Function Spaces</i> , 2022 , 2022, 1-10 | 0.8 | |
| 112 | Hardy-İindler, Yang and Hwang Inequalities for Functions of Several Variables via Time Scale Calculus. <i>Symmetry</i> , 2022 , 14, 802 | 2.7 | |
| 111 | On implementation of a semi-analytic strategy to develop an analytical solution of a steady-state isothermal tube drawing model.. <i>Scientific Reports</i> , 2022 , 12, 7636 | 4.9 | |
| 110 | Applications of bioconvection for tiny particles due to two concentric cylinders when role of Lorentz force is significant.. <i>PLoS ONE</i> , 2022 , 17, e0265026 | 3.7 | 2 |

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| 109 | A Comparative Analysis of Fractional-Order Kaup-Kupershmidt Equation within Different Operators. <i>Symmetry</i> , 2022 , 14, 986 | 2.7 | 13 |
| 108 | Fractional-View Analysis of Jaulent-Miodek Equation via Novel Analytical Techniques. <i>Journal of Function Spaces</i> , 2022 , 2022, 1-11 | 0.8 | |
| 107 | Simulation of Dissipative Hybrid Nanofluid (PEG-Water + ZrO ₂ + MgO) Flow by a Curved Shrinking Sheet with Thermal Radiation and Higher Order Chemical Reaction. <i>Mathematics</i> , 2022 , 10, 1706 | 2.3 | 0 |
| 106 | Mathematical Simulation of Heat Transfer in Thermally Magnetised Oldroyd-B Fluid in Sakiadis Rheology with a Heat Reservoir. <i>Mathematics</i> , 2022 , 10, 1775 | 2.3 | 1 |
| 105 | Modelling Entropy in Magnetized Flow of Eyring-Powell Nanofluid through Nonlinear Stretching Surface with Chemical Reaction: A Finite Element Method Approach. <i>Nanomaterials</i> , 2022 , 12, 1811 | 5.4 | 1 |
| 104 | Electro-osmotic flow of biological fluid in divergent channel: drug therapy in compressed capillaries. <i>Scientific Reports</i> , 2021 , 11, 23652 | 4.9 | 8 |
| 103 | A Decomposition Method for a Fractional-Order Multi-Dimensional Telegraph Equation via the Elzaki Transform. <i>Symmetry</i> , 2021 , 13, 8 | 2.7 | 10 |
| 102 | Effects of fractional derivative and heat source/sink on MHD free convection flow of nanofluids in a vertical cylinder: A generalized Fourier's law model. <i>Case Studies in Thermal Engineering</i> , 2021 , 28, 101518 | 5.6 | 14 |
| 101 | Thermal analysis of free convection flows of viscous carbon nanotubes nanofluids with generalized thermal transport: a Prabhakar fractional model. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 144, 2327 | 4.1 | 8 |
| 100 | Fractional System of Korteweg-De Vries Equations via Elzaki Transform. <i>Mathematics</i> , 2021 , 9, 673 | 2.3 | 13 |
| 99 | A Comparison Study of Irregularity Descriptors of Benzene Ring Embedded in P-Type Surface Network and Its Derived Network. <i>Journal of Mathematics</i> , 2021 , 2021, 1-12 | 1.2 | |
| 98 | Numerical Investigation of Time-Fractional Equivalent Width Equations That Describe Hydromagnetic Waves. <i>Symmetry</i> , 2021 , 13, 418 | 2.7 | 11 |
| 97 | An Analytical View of Fractional-Order Fisher-Type Equations within Caputo Operator. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-10 | 1.1 | 2 |
| 96 | Simultaneous Flow of n-Immiscible Fractional Maxwell Fluids with Generalized Thermal Flux and Robin Boundary Conditions. <i>Advances in Mathematical Physics</i> , 2021 , 2021, 1-20 | 1.1 | 1 |
| 95 | The New Semianalytical Technique for the Solution of Fractional-Order Navier-Stokes Equation. <i>Journal of Function Spaces</i> , 2021 , 2021, 1-13 | 0.8 | 3 |
| 94 | Thermography of ferromagnetic Walter's-B fluid through varying thermal stratification. <i>South African Journal of Chemical Engineering</i> , 2021 , 36, 118-126 | 3.2 | 6 |
| 93 | Analytical Solutions of the Diffusion-Wave Equation of Groundwater Flow with Distributed-Order of Atangana-Baleanu Fractional Derivative. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 4142 | 2.6 | 0 |
| 92 | A thermal optimization through an innovative mechanism of free convection flow of Jeffrey fluid using non-local kernel. <i>Case Studies in Thermal Engineering</i> , 2021 , 24, 100851 | 5.6 | 9 |

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|----|---|-----|----|
| 91 | Analytical Analysis of Fractional-Order Multi-Dimensional Dispersive Partial Differential Equations. <i>Symmetry</i> , 2021 , 13, 939 | 2.7 | 4 |
| 90 | Analysis of Dendrimer Generation by Sombor Indices. <i>Journal of Chemistry</i> , 2021 , 2021, 1-11 | 2.3 | 7 |
| 89 | Study of Magnetohydrodynamic Pulsatile Blood Flow through an Inclined Porous Cylindrical Tube with Generalized Time-Nonlocal Shear Stress. <i>Advances in Mathematical Physics</i> , 2021 , 2021, 1-11 | 1.1 | 3 |
| 88 | Numerical Analysis of Time-Fractional Diffusion Equations via a Novel Approach. <i>Journal of Function Spaces</i> , 2021 , 2021, 1-12 | 0.8 | 2 |
| 87 | Analytical Solutions of the Fractional Mathematical Model for the Concentration of Tumor Cells for Constant Killing Rate. <i>Mathematics</i> , 2021 , 9, 1156 | 2.3 | 2 |
| 86 | Thermal analysis through cylindrical porous fin having insulated tip: a hybrid nanomaterial approach. <i>Physica Scripta</i> , 2021 , 96, 094014 | 2.6 | 3 |
| 85 | Radiated magnetic flow in a suspension of ferrous nanoparticles over a cone with brownian motion and thermophoresis. <i>Case Studies in Thermal Engineering</i> , 2021 , 25, 100915 | 5.6 | 11 |
| 84 | A Comparative Analysis of Fractional-Order Gas Dynamics Equations via Analytical Techniques. <i>Mathematics</i> , 2021 , 9, 1735 | 2.3 | 0 |
| 83 | Natural convection flows of Prabhakar-like fractional Maxwell fluids with generalized thermal transport. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 2245-2258 | 4.1 | 17 |
| 82 | Analytical solutions to the advection-diffusion equation with Atangana-Baleanu time-fractional derivative and a concentrated loading. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 60, 1199-1208 | 6.1 | 4 |
| 81 | New idea of Atangana-Baleanu time-fractional derivative to advection-diffusion equation. <i>Mathematical Methods in the Applied Sciences</i> , 2021 , 44, 2521-2531 | 2.3 | 0 |
| 80 | Ternary-hybrid nanofluids: significance of suction and dual-stretching on three-dimensional flow of water conveying nanoparticles with various shapes and densities. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2021 , 76, 231-243 | 1.4 | 37 |
| 79 | An efficient approach for solution of fractional-order Helmholtz equations. <i>Advances in Difference Equations</i> , 2021 , 2021, | 3.6 | 7 |
| 78 | Significance of buoyancy and Lorentz forces on water-conveying iron(III) oxide and silver nanoparticles in a rectangular cavity mounted with two heated fins: heat transfer analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 144, 2369 | 4.1 | 27 |
| 77 | Study of one-dimensional contaminant transport in soils using fractional calculus. <i>Mathematical Methods in the Applied Sciences</i> , 2021 , 44, 6839-6856 | 2.3 | 1 |
| 76 | Significance of Reynolds number, lower and upper rotating disks on the dynamics of water conveying graphene and silver nanoparticles between rotating disks. <i>Physica Scripta</i> , 2021 , 96, 045218 | 2.6 | 6 |
| 75 | Memory effects and of the killing rate on the tumor cells concentration for a one-dimensional cancer model. <i>Chaos, Solitons and Fractals</i> , 2021 , 144, 110750 | 9.3 | 3 |
| 74 | Advances in transport phenomena with nanoparticles and generalized thermal process for vertical plate. <i>Physica Scripta</i> , 2021 , 96, 114001 | 2.6 | 9 |

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| 73 | Dual solution framework for mixed convection flow of Maxwell nanofluid instigated by exponentially shrinking surface with thermal radiation. <i>Scientific Reports</i> , 2021 , 11, 15944 | 4.9 | 4 |
| 72 | The Analysis of Fractional-Order Kersten-Krasil Shchik Coupled KdV System, via a New Integral Transform. <i>Symmetry</i> , 2021 , 13, 1592 | 2.7 | 2 |
| 71 | Numerical study of bio-convection flow of magneto-cross nanofluid containing gyrotactic microorganisms with activation energy. <i>Scientific Reports</i> , 2021 , 11, 16030 | 4.9 | 23 |
| 70 | Significance of haphazard motion and thermal migration of alumina and copper nanoparticles across the dynamics of water and ethylene glycol on a convectively heated surface. <i>Case Studies in Thermal Engineering</i> , 2021 , 26, 101050 | 5.6 | 33 |
| 69 | A COMPARATIVE STUDY OF SEMI-ANALYTICAL METHODS FOR SOLVING FRACTIONAL-ORDER CAUCHY REACTION-DIFFUSION EQUATION. <i>Fractals</i> , 2021 , 29, 2150143 | 3.2 | 5 |
| 68 | Exploration of bioconvection flow of MHD thixotropic nanofluid past a vertical surface coexisting with both nanoparticles and gyrotactic microorganisms. <i>Scientific Reports</i> , 2021 , 11, 16627 | 4.9 | 17 |
| 67 | Numerical Analysis of the Klein-Gordon Equations by Using the New Iteration Transform Method. <i>Journal of Function Spaces</i> , 2021 , 2021, 1-9 | 0.8 | |
| 66 | Entropy optimized dissipative flow of hybrid nanofluid in the presence of non-linear thermal radiation and Joule heating. <i>Scientific Reports</i> , 2021 , 11, 16067 | 4.9 | 2 |
| 65 | A Comparative Study of the Fractional-Order System of Burgers Equations. <i>Symmetry</i> , 2021 , 13, 1786 | 2.7 | |
| 64 | Marangoni Convection of Dust Particles in the Boundary Layer of Maxwell Nanofluids with Varying Surface Tension and Viscosity. <i>Coatings</i> , 2021 , 11, 1072 | 2.9 | 2 |
| 63 | Natural convection flow maxwell fluids with generalized thermal transport and newtonian heating. <i>Case Studies in Thermal Engineering</i> , 2021 , 27, 101226 | 5.6 | 6 |
| 62 | The Variational Iteration Transform Method for Solving the Time-Fractional Fornberg-Whitham Equation and Comparison with Decomposition Transform Method. <i>Mathematics</i> , 2021 , 9, 141 | 2.3 | 4 |
| 61 | Significance of nanoparticle's radius, heat flux due to concentration gradient, and mass flux due to temperature gradient: The case of Water conveying copper nanoparticles. <i>Scientific Reports</i> , 2021 , 11, 1882 | 4.9 | 37 |
| 60 | Numerical Approaches of the Generalized Time-Fractional Burgers Equation with Time-Variable Coefficients. <i>Journal of Function Spaces</i> , 2021 , 2021, 1-14 | 0.8 | 1 |
| 59 | Magneto-hydrodynamics natural convection flows of viscous carbon nanotubes nanofluids with generalized Fourier's law in a vertical cylinder. <i>Mathematical Methods in the Applied Sciences</i> , 2020 , | 2.3 | 4 |
| 58 | Further Discussion on the Significance of Quartic Autocatalysis on the Dynamics of Water Conveying 47 nm Alumina and 29 nm Cupric Nanoparticles. <i>Arabian Journal for Science and Engineering</i> , 2020 , 45, 5977-6004 | 2.5 | 22 |
| 57 | Natural convection flows of carbon nanotubes nanofluids with Prabhakar-like thermal transport. <i>Mathematical Methods in the Applied Sciences</i> , 2020 , | 2.3 | 8 |
| 56 | Maxwell fluid flow between vertical plates with damped shear and thermal flux: Free convection. <i>Chinese Journal of Physics</i> , 2020 , 65, 367-376 | 3.5 | 32 |

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| 55 | Significance of suction and dual stretching on the dynamics of various hybrid nanofluids: Comparative analysis between type I and type II models. <i>Physica Scripta</i> , 2020 , 95, 095205 | 2.6 | 59 |
| 54 | Heat transfer enhancement in natural convection flow of nanofluid with Cattaneo thermal transport. <i>Physica Scripta</i> , 2020 , 95, 115705 | 2.6 | 7 |
| 53 | Unsteady two-dimensional flow of pseudo-blood fluid in an arterial duct carrying stenosis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020 , 550, 124126 | 3.3 | 2 |
| 52 | Two-layer flows of generalized immiscible second grade fluids in a rectangular channel. <i>Mathematical Methods in the Applied Sciences</i> , 2020 , 43, 1337-1348 | 2.3 | 6 |
| 51 | Radio Labeling for Strong Product K3 ? Pn. <i>IEEE Access</i> , 2020 , 8, 109801-109806 | 3.5 | |
| 50 | Analysis of Optical Solitons for Nonlinear Schrödinger Equation with Detuning Term by Iterative Transform Method. <i>Symmetry</i> , 2020 , 12, 1850 | 2.7 | 15 |
| 49 | MHD-free convection flow of CNTs differential type nanofluid over an infinite vertical plate with first-order chemical reaction, porous medium, and suction/injection. <i>Mathematical Methods in the Applied Sciences</i> , 2020 , | 2.3 | 1 |
| 48 | Double diffusive MHD convective flows of a viscous fluid under influence of the inclined magnetic field, source/sink and chemical reaction. <i>AEJ - Alexandria Engineering Journal</i> , 2020 , 59, 4171-4181 | 6.1 | 10 |
| 47 | Natural convection flows of carbon nanotube Prabhakar-like fractional second-grade nanofluids over an infinite plate with Newtonian heating. <i>Mathematical Methods in the Applied Sciences</i> , 2020 , | 2.3 | 4 |
| 46 | Weber-Type Integral Transform Connected with Robin-Type Boundary Conditions. <i>Mathematics</i> , 2020 , 8, 1335 | 2.3 | 1 |
| 45 | Natural convection of bio-nanofluid between two vertical parallel plates with damped shear and thermal flux. <i>Journal of Molecular Liquids</i> , 2019 , 296, 111575 | 6 | 10 |
| 44 | Effects of double stratification and heat flux damping on convective flows over a vertical cylinder. <i>Chinese Journal of Physics</i> , 2019 , 60, 290-306 | 3.5 | 15 |
| 43 | Free convection flow of nanofluids between two vertical plates with damped thermal flux. <i>Journal of Molecular Liquids</i> , 2019 , 289, 110964 | 6 | 49 |
| 42 | Analysis of free convection flow of viscous fluid with damped thermal and mass fluxes. <i>Chinese Journal of Physics</i> , 2019 , 60, 98-106 | 3.5 | 20 |
| 41 | Analysis of Natural Convection Bionanofluid Between Two Vertical Parallel Plates. <i>BioNanoScience</i> , 2019 , 9, 930-936 | 3.4 | 4 |
| 40 | Two-Dimensional Advection-Diffusion Process with Memory and Concentrated Source. <i>Symmetry</i> , 2019 , 11, 879 | 2.7 | 7 |
| 39 | Influence of magnetic field on double convection problem of fractional viscous fluid over an exponentially moving vertical plate: New trends of Caputo time-fractional derivative model. <i>Advances in Mechanical Engineering</i> , 2019 , 11, 168781401986038 | 1.2 | 15 |
| 38 | Hydromagnetic free convection flow of viscous fluid between vertical parallel plates with damped thermal and mass fluxes. <i>AEJ - Alexandria Engineering Journal</i> , 2019 , 58, 989-1000 | 6.1 | 16 |

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| 37 | Natural convection flow of second grade fluid with thermal radiation and damped thermal flux between vertical channels. <i>AEJ - Alexandria Engineering Journal</i> , 2019 , 58, 1119-1125 | 6.1 | 15 |
| 36 | Two phase flow of blood through a circular tube with magnetic properties. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 477, 382-387 | 2.8 | 7 |
| 35 | Significance of Lorentz Force and Thermoelectric on the Flow of 29 nm CuO/Water Nanofluid on an Upper Horizontal Surface of a Paraboloid of Revolution. <i>Journal of Heat Transfer</i> , 2019 , 141, | 1.8 | 51 |
| 34 | Hemodynamic Characteristics of Gold Nanoparticle Blood Flow Through a Tapered Stenosed Vessel with Variable Nanofluid Viscosity. <i>BioNanoScience</i> , 2019 , 9, 245-255 | 3.4 | 35 |
| 33 | Insight into the Natural Convection Flow Through a Vertical Cylinder Using Caputo Time-Fractional Derivatives. <i>International Journal of Applied and Computational Mathematics</i> , 2018 , 4, 1 | 1.3 | 15 |
| 32 | Analysis of magnetohydrodynamic flow of a fractional viscous fluid through a porous medium. <i>Chinese Journal of Physics</i> , 2018 , 56, 261-269 | 3.5 | 16 |
| 31 | Natural convection with damped thermal flux in a vertical circular cylinder. <i>Chinese Journal of Physics</i> , 2018 , 56, 630-644 | 3.5 | 26 |
| 30 | Effects of Dufour and fractional derivative on unsteady natural convection flow over an infinite vertical plate with constant heat and mass fluxes. <i>Computational and Applied Mathematics</i> , 2018 , 37, 4931-4943 | | 12 |
| 29 | Exact solutions for some unsteady flows of a couple stress fluid between parallel plates. <i>Ain Shams Engineering Journal</i> , 2018 , 9, 985-992 | 4.4 | 14 |
| 28 | Applications of non-integer Caputo time fractional derivatives to natural convection flow subject to arbitrary velocity and Newtonian heating. <i>Neural Computing and Applications</i> , 2018 , 30, 1589-1599 | 4.8 | 27 |
| 27 | On some rotational flows of non-integer order rate type fluids with shear stress on the boundary. <i>Ain Shams Engineering Journal</i> , 2018 , 9, 1865-1876 | 4.4 | 2 |
| 26 | First general solutions for unsteady unidirectional motions of rate type fluids in cylindrical domains. <i>AEJ - Alexandria Engineering Journal</i> , 2018 , 57, 1185-1196 | 6.1 | 5 |
| 25 | Free convection flows over a vertical plate that applies shear stress to a fractional viscous fluid. <i>AEJ - Alexandria Engineering Journal</i> , 2018 , 57, 2529-2540 | 6.1 | 10 |
| 24 | Natural convection heat transfer in an oscillating vertical cylinder. <i>PLoS ONE</i> , 2018 , 13, e0188656 | 3.7 | 8 |
| 23 | General solution for MHD-free convection flow over a vertical plate with ramped wall temperature and chemical reaction. <i>Arabian Journal of Mathematics</i> , 2018 , 7, 49-60 | 0.8 | 18 |
| 22 | Scrutinization of the effects of Grashof number on the flow of different fluids driven by convection over various surfaces. <i>Journal of Molecular Liquids</i> , 2018 , 249, 980-990 | 6 | 101 |
| 21 | Natural convection flows and heat transfer with exponential memory of a Maxwell fluid with damped shear stress. <i>Computers and Mathematics With Applications</i> , 2018 , 76, 2246-2261 | 2.7 | 5 |
| 20 | Convective flows of generalized time-nonlocal nanofluids through a vertical rectangular channel. <i>Physics of Fluids</i> , 2018 , 30, 052002 | 4.4 | 37 |

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| 19 | A scientific report on heat transfer analysis in mixed convection flow of Maxwell fluid over an oscillating vertical plate. <i>Scientific Reports</i> , 2017 , 7, 40147 | 4.9 | 18 |
| 18 | Heat transfer analysis of fractional second-grade fluid subject to Newtonian heating with Caputo and Caputo-Fabrizio fractional derivatives: A comparison. <i>European Physical Journal Plus</i> , 2017 , 132, 1 | 3.1 | 46 |
| 17 | Influence of time-fractional derivatives on the boundary layer flow of Maxwell fluids. <i>Chinese Journal of Physics</i> , 2017 , 55, 1340-1351 | 3.5 | 35 |
| 16 | Heat transfer analysis in a second grade fluid over and oscillating vertical plate using fractional CaputoFabrizio derivatives. <i>European Physical Journal C</i> , 2016 , 76, 1 | 4.2 | 112 |
| 15 | Effects of the fractional order and magnetic field on the blood flow in cylindrical domains. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 409, 10-19 | 2.8 | 55 |
| 14 | Dynamics of ferromagnetic due to nonlinear thermal buoyancy when CattaneoChristov heat flux and magnetic dipole whose magnetic scalars are significant. <i>Waves in Random and Complex Media</i> , 1-20 | 1.9 | 0 |
| 13 | Brownian motion and thermophoretic diffusion effects on the dynamics of MHD Upper Convected Maxwellnanofluid flow past a vertical surface. <i>Physica Scripta</i> , | 2.6 | 4 |
| 12 | Impact of entropy optimized Darcy-Forchheimer flow in MnZnFe2O4 and NiZnFe2O4 hybrid nanofluid towards a curved surface. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , e202100194 | 1 | 1 |
| 11 | A generalized kinetic model of the advection-dispersion process in a sorbing medium. <i>Mathematical Modelling of Natural Phenomena</i> , | 3 | 5 |
| 10 | The analytical solution of fractional-order WhithamBroerKaup equations by an Elzaki decomposition method. <i>Numerical Methods for Partial Differential Equations</i> , | 2.5 | 2 |
| 9 | Combination of Shehu decomposition and variational iteration transform methods for solving fractional third order dispersive partial differential equations. <i>Numerical Methods for Partial Differential Equations</i> , | 2.5 | 1 |
| 8 | Unsteady free convective magnetohydrodynamics flow of a Casson fluid through a channel with double diffusion and ramp temperature and concentration. <i>Mathematical Methods in the Applied Sciences</i> , | 2.3 | 1 |
| 7 | ANALYSIS OF TIME-FRACTIONAL BURGERS AND DIFFUSION EQUATIONS BY USING MODIFIED q-HATM. <i>Fractals</i> , 2240012 | 3.2 | 0 |
| 6 | Dynamics of radiative-reactive Walters-b fluid due to mixed convection conveying gyrotactic microorganisms, tiny particles experience haphazard motion, thermo-migration, and Lorentz force. <i>Physica Scripta</i> , | 2.6 | 22 |
| 5 | Numerical solutions of the partial differential equations for investigating the significance of partial slip due to lateral velocity and viscous dissipation: The case of blood-gold Carreau nanofluid and dusty fluid. <i>Numerical Methods for Partial Differential Equations</i> , | 2.5 | 17 |
| 4 | Thermodynamic activity of a ternary nanofluid flow passing through a permeable slipped surface with heat source and sink. <i>Waves in Random and Complex Media</i> , 1-21 | 1.9 | 8 |
| 3 | A renovated ScottBlair model for heat and mass transfer analysis. <i>Waves in Random and Complex Media</i> , 1-15 | 1.9 | 2 |
| 2 | Melting and entropy generation of infinite shear rate viscosity Carreau model over Riga plate with erratic thickness: a numerical Keller Box approach. <i>Waves in Random and Complex Media</i> , 1-25 | 1.9 | 4 |

- 1 Numerical investigation of EMHD nanofluid flows over a convectively heated riga pattern positioned horizontally in a Darcy-Forchheimer porous medium: application of passive control strategy and generalized transfer laws. *Waves in Random and Complex Media*,1-20 1.9 12