

Hijaz Ahmad

List of Publications by Year in descending order

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517
papers

10,190
citations

50276

46
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102487

66
g-index

527
all docs

527
docs citations

527
times ranked

2857
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Numerical simulations for the predator–prey model as a prototype of an excitable system. Numerical Methods for Partial Differential Equations, 2024, 40, . | 3.6 | 3 |
| 2 | Analysis of fractional COVID-19 epidemic model under Caputo operator. Mathematical Methods in the Applied Sciences, 2023, 46, 7944-7964. | 2.3 | 21 |
| 3 | New approach for propagated light with optical solitons by optical fiber in pseudohyperbolic space \mathbb{R}^2 . Mathematical Methods in the Applied Sciences, 2023, 46, 8263-8274. | 2.3 | 0 |
| 4 | New mathematical modelings of the human liver and hearing loss systems with fractional derivatives. International Journal of Biomathematics, 2023, 16, . | 2.9 | 4 |
| 5 | Dynamics of tuberculosis in HIV–HCV co-infected cases. International Journal of Biomathematics, 2023, 16, . | 2.9 | 3 |
| 6 | Improvement of the performance of solar channels by using vortex generators and hydrogen fluid. Journal of Thermal Analysis and Calorimetry, 2022, 147, 545-566. | 3.6 | 11 |
| 7 | Numerical study of multi-dimensional hyperbolic telegraph equations arising in nuclear material science via an efficient local meshless method. International Journal of Nonlinear Sciences and Numerical Simulation, 2022, 23, 115-122. | 1.0 | 12 |
| 8 | Exact solutions of Hirota–Maccari system forced by multiplicative noise in the Itô sense. Journal of Low Frequency Noise Vibration and Active Control, 2022, 41, 74-84. | 2.9 | 30 |
| 9 | A solution of coupled nonlinear differential equations arising in a rotating micropolar nanofluid flow system by Hermite wavelet technique. Engineering With Computers, 2022, 38, 3351-3372. | 6.1 | 13 |
| 10 | Viscoelastic stressed microbeam analysis based on Moore–Gibson–Thompson heat equation and laser excitation resting on Winkler foundation. Journal of Low Frequency Noise Vibration and Active Control, 2022, 41, 118-139. | 2.9 | 18 |
| 11 | Flow and thermal study of MHD Casson fluid past a moving stretching porous wedge. Journal of Thermal Analysis and Calorimetry, 2022, 147, 6959-6969. | 3.6 | 14 |
| 12 | Investigation of adequate closed form travelling wave solution to the space-time fractional non-linear evolution equations. Journal of Ocean Engineering and Science, 2022, 7, 292-303. | 4.3 | 17 |
| 13 | JENSEN–MERCER INEQUALITY AND RELATED RESULTS IN THE FRACTAL SENSE WITH APPLICATIONS. Fractals, 2022, 30, . | 3.7 | 17 |
| 14 | FRACTIONAL ORDER MODEL FOR THE CORONAVIRUS (COVID-19) IN WUHAN, CHINA. Fractals, 2022, 30, . | 3.7 | 9 |
| 15 | Soliton solutions for time fractional ocean engineering models with Beta derivative. Journal of Ocean Engineering and Science, 2022, 7, 444-448. | 4.3 | 17 |
| 16 | FRACTAL HADAMARD–MERCER-TYPE INEQUALITIES WITH APPLICATIONS. Fractals, 2022, 30, . | 3.7 | 11 |
| 17 | Thermo-viscoelastic behavior in an infinitely thin orthotropic hollow cylinder with variable properties under the non-Fourier MGT thermoelastic model. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2022, 102, e202000344. | 1.6 | 8 |
| 18 | Generalized thermoelastic responses in an infinite solid cylinder under the thermoelastic-diffusion model with four lags. Chinese Journal of Physics, 2022, 76, 121-134. | 3.9 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | NUMERICAL SOLUTION OF TRAVELING WAVES IN CHEMICAL KINETICS: TIME-FRACTIONAL FISHERS EQUATIONS. <i>Fractals</i> , 2022, 30, . | 3.7 | 196 |
| 20 | Stability analysis of time-fractional differential equations with initial data. <i>Mathematical Methods in the Applied Sciences</i> , 2022, 45, 402-410. | 2.3 | 2 |
| 21 | Geometrical study and solutions for family of burgers-like equation with fractional order space time. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 511-521. | 6.4 | 8 |
| 22 | An Artificial Intelligence Approach for Solving Stochastic Transportation Problems. <i>Computers, Materials and Continua</i> , 2022, 70, 817-829. | 1.9 | 2 |
| 23 | Dynamics of a fractional order Zika virus model with mutant. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 4821-4836. | 6.4 | 21 |
| 24 | Brownian motion effects on W-shaped soliton and modulation instability gain of the (2+1)-dimensional nonlinear schrödinger equation. <i>Optical and Quantum Electronics</i> , 2022, 54, 1. | 3.3 | 2 |
| 25 | Impact of Joule heating and multiple slips on a Maxwell nanofluid flow past a slendering surface. <i>Communications in Theoretical Physics</i> , 2022, 74, 015001. | 2.5 | 23 |
| 26 | A variety of fractional soliton solutions for three important coupled models arising in mathematical physics. <i>International Journal of Modern Physics B</i> , 2022, 36, . | 2.0 | 9 |
| 27 | Analytical solutions to the fractional Lakshmanan-Porsezian-Daniel model. <i>Optical and Quantum Electronics</i> , 2022, 54, 1. | 3.3 | 15 |
| 28 | Envelope solitons of the nonlinear discrete vertical dust grain oscillation in dusty plasma crystals. <i>Chaos, Solitons and Fractals</i> , 2022, 155, 111640. | 5.1 | 17 |
| 29 | Modeling and analysis of fractional order Zika model. <i>AIMS Mathematics</i> , 2022, 7, 3912-3938. | 1.6 | 3 |
| 30 | Solution of Burgers's equation appears in fluid mechanics by multistage optimal homotopy asymptotic method. <i>Thermal Science</i> , 2022, 26, 815-821. | 1.1 | 12 |
| 31 | Theoretical analysis and computational modeling of nonlinear fractional-order victim-two predators model. <i>Results in Physics</i> , 2022, 32, 105139. | 4.1 | 5 |
| 32 | Efficient Approaches for Solving Systems of Nonlinear Time-Fractional Partial Differential Equations. <i>Fractal and Fractional</i> , 2022, 6, 32. | 3.3 | 6 |
| 33 | Solving fractional PDEs by using Daftardar-Jafari method. <i>AIP Conference Proceedings</i> , 2022, , . | 0.4 | 5 |
| 34 | THE COMPARATIVE REPORT ON DYNAMICAL ANALYSIS ABOUT FRACTIONAL NONLINEAR DRINFELD-SOKOLOV-WILSON SYSTEM. <i>Fractals</i> , 2022, 30, . | 3.7 | 5 |
| 35 | Some Novel Fractional Integral Inequalities over a New Class of Generalized Convex Function. <i>Fractal and Fractional</i> , 2022, 6, 42. | 3.3 | 20 |
| 36 | New fractional integral inequalities for preinvex functions involving Caputo-Fabrizio operator. <i>AIMS Mathematics</i> , 2022, 7, 3440-3455. | 1.6 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Propagation of some new traveling wave patterns of the double dispersive equation. Open Physics, 2022, 20, 130-141. | 1.7 | 7 |
| 56 | Computational techniques to study the dynamics of generalized unstable nonlinear Schrödinger equation. Journal of Ocean Engineering and Science, 2022, , . | 4.3 | 48 |
| 57 | A comparative study about the propagation of water waves with fractional operators. Journal of Ocean Engineering and Science, 2022, , . | 4.3 | 5 |
| 58 | Dynamical behaviour of Chiral nonlinear Schrödinger equation. Optical and Quantum Electronics, 2022, 54, 1. | 3.3 | 55 |
| 59 | 3D numerical study and comparison of thermal-flow performance of various annular finned-tube designs. Journal of Ocean Engineering and Science, 2022, , . | 4.3 | 4 |
| 60 | An analytical approach to the solution of fractional-coupled modified equal width and fractional-coupled Burgers equations. Journal of Ocean Engineering and Science, 2022, , . | 4.3 | 7 |
| 61 | Manakov model of coupled NLS equation and its optical soliton solutions. Journal of Ocean Engineering and Science, 2022, , . | 4.3 | 11 |
| 62 | Combination of the Parallel/Counter Flows Nanofluid Techniques to Improve the Performances of Double-Tube Thermal Exchangers. Arabian Journal for Science and Engineering, 2022, 47, 7789-7796. | 3.0 | 3 |
| 63 | Heat and mass transfer analysis of nonlinear mixed convective hybrid nanofluid flow with multiple slip boundary conditions. Case Studies in Thermal Engineering, 2022, 32, 101893. | 5.7 | 65 |
| 64 | Groundwater Potentiality Assessment of Ain Sefra Region in Upper Wadi Namous Basin, Algeria Using Integrated Geospatial Approaches. Sustainability, 2022, 14, 4450. | 3.2 | 10 |
| 65 | Different scenarios to enhance thermal comfort by renewable-ecological techniques in hot dry environment. Case Studies in Thermal Engineering, 2022, 32, 101886. | 5.7 | 5 |
| 66 | Brownian motion effects on analytical solutions of a fractional-space long-wave interaction with conformable derivative. Results in Physics, 2022, 35, 105371. | 4.1 | 8 |
| 67 | Dark-soliton behaviors arising from a coupled nonlinear Schrödinger system. Results in Physics, 2022, 36, 105459. | 4.1 | 9 |
| 68 | Analytical solutions of the fifth-order time fractional nonlinear evolution equations by the unified method. Modern Physics Letters B, 2022, 36, . | 1.9 | 12 |
| 69 | Novel Analysis of Hermite-Hadamard Type Integral Inequalities via Generalized Exponential Type m -Convex Functions. Mathematics, 2022, 10, 31. | 2.2 | 5 |
| 70 | Discrete breathers incited by the intra-dimers parameter in microtubulin protofilament array. European Physical Journal Plus, 2022, 137, 1. | 2.6 | 12 |
| 71 | Transcendental surface wave to the symmetric regularized long-wave equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 439, 128123. | 2.1 | 8 |
| 72 | Influence of chemical reaction on MHD Newtonian fluid flow on vertical plate in porous medium in conjunction with thermal radiation. Open Physics, 2022, 20, 302-312. | 1.7 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Nonlocal magneto-thermoelastic infinite half-space due to a periodically varying heat flow under Caputo's fractional derivative heat equation. <i>Open Physics</i> , 2022, 20, 274-288. | 1.7 | 2 |
| 74 | Verification of urban light rail transit (LRT) bogie frame structure design lifetime under variable fatigue loads. <i>Mechanical Engineering for Society and Industry</i> , 2022, 2, 42-53. | 2.0 | 0 |
| 75 | Diverse and novel soliton structures of coupled nonlinear Schrödinger type equations through two competent techniques. <i>Modern Physics Letters B</i> , 2022, 36, . | 1.9 | 15 |
| 76 | A multi-station unreliable machine model with working vacation policy and customers' impatience. <i>Quality Technology and Quantitative Management</i> , 2022, 19, 766-796. | 1.9 | 15 |
| 77 | New soliton solutions of Simplified Modified Camassa Holm equation, Klein-Gordon-Zakharov equation using First Integral Method and Exponential Function Method. <i>Results in Physics</i> , 2022, 38, 105506. | 4.1 | 3 |
| 78 | Fractal fractional analysis of modified KdV equation under three different kernels. <i>Journal of Ocean Engineering and Science</i> , 2022, , . | 4.3 | 3 |
| 79 | New unexpected perceptions for the optical solitary wave solution to the cubic-order nonlinear Schrödinger equation. <i>Optical and Quantum Electronics</i> , 2022, 54, 1. | 3.3 | 4 |
| 80 | Impacts of Chemical Reaction and Suction/Injection on the Mixed Convective Williamson Fluid past a Penetrable Porous Wedge. <i>Journal of Mathematics</i> , 2022, 2022, 1-10. | 1.0 | 6 |
| 81 | Explicit solutions of higher dimensional Burger's equations. <i>Journal of Ocean Engineering and Science</i> , 2022, , . | 4.3 | 2 |
| 82 | Boundary value problem of Riemann-Liouville fractional differential equations in the variable exponent Lebesgue spaces $L(\cdot)$. <i>Journal of Geometry and Physics</i> , 2022, 178, 104554. | 1.4 | 2 |
| 83 | Thermo-hydraulic performance evaluation of turbulent flow and heat transfer in a twisted flat tube: A CFD approach. <i>Case Studies in Thermal Engineering</i> , 2022, 35, 102107. | 5.7 | 4 |
| 84 | Time fractional super KdV equation: Lie point symmetries, conservation laws, explicit solutions with convergence analysis. <i>International Journal of Geometric Methods in Modern Physics</i> , 2022, 19, . | 2.0 | 3 |
| 85 | Explicit, periodic and dispersive soliton solutions to the Schamel-KdV equation with constant coefficients. <i>Journal of Ocean Engineering and Science</i> , 2022, , . | 4.3 | 1 |
| 86 | Subordination Method for the Estimation of Certain Subclass of Analytic Functions Defined by the q -Derivative Operator. <i>Journal of Function Spaces</i> , 2022, 2022, 1-9. | 0.9 | 2 |
| 87 | Breather-like soliton, M-shaped profile, W-shaped profile, and modulation instability conducted by self-frequency shift of the nonlinear Schrödinger equation. <i>Journal of Computational Electronics</i> , 2022, 21, 733-743. | 2.5 | 4 |
| 88 | Analysis and Simulation of Fractional Order Smoking Epidemic Model. <i>Computational and Mathematical Methods in Medicine</i> , 2022, 2022, 1-16. | 1.3 | 10 |
| 89 | Optical solitons to the Kundu-Mukherjee-Naskar equation in $(2+1)$ -dimensional form via two analytical techniques. <i>Journal of Laser Applications</i> , 2022, 34, . | 1.7 | 3 |
| 90 | An Improved Solar Cooling System for Date Safety and Storage under Climate of the Maghreb. <i>International Journal of Photoenergy</i> , 2022, 2022, 1-14. | 2.5 | 1 |

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| 91 | Dynamics of chaotic system based on image encryption through fractal-fractional operator of non-local kernel. <i>AIP Advances</i> , 2022, 12, . | 1.3 | 14 |
| 92 | Investigation of pure-cubic optical solitons in nonlinear optics. <i>Optical and Quantum Electronics</i> , 2022, 54, . | 3.3 | 20 |
| 93 | Consistent travelling waves solutions to the non-linear time fractional Kleinâ€“Gordon and Sine-Gordon equations through extended tanh-function approach. <i>Journal of Taibah University for Science</i> , 2022, 16, 594-607. | 2.5 | 19 |
| 94 | On new explicit solutions for solving Atangana conformable Biswas-Milovic equation with parabolic law nonlinearity in nonlinear optics. <i>Results in Physics</i> , 2022, 40, 105760. | 4.1 | 1 |
| 95 | Numerical simulation using the non-standard weighted average FDM for 2Dim variable-order Cable equation. <i>Results in Physics</i> , 2022, 39, 105682. | 4.1 | 6 |
| 96 | On the fractional-order mathematical model of COVID-19 with the effects of multiple non-pharmaceutical interventions. <i>AIMS Mathematics</i> , 2022, 7, 16017-16036. | 1.6 | 11 |
| 97 | Soliton solutions for nonlinear variable-order fractional Kortewegâ€“de Vries (KdV) equation arising in shallow water waves. <i>Journal of Ocean Engineering and Science</i> , 2022, , . | 4.3 | 5 |
| 98 | Some new types of optical solitons to the time-fractional new hamiltonian amplitude equation via extended Sinh-Gorden equation expansion method. <i>Modern Physics Letters B</i> , 2022, 36, . | 1.9 | 9 |
| 99 | A theoretical and numerical analysis of a fractalâ€“fractional two-strain model of meningitis. <i>Results in Physics</i> , 2022, 39, 105775. | 4.1 | 12 |
| 100 | The effects of Hall parameter on the MHD fluid flow and heat transfer induced by uniform radial electric field due to a shrinking rotating disk. <i>Case Studies in Thermal Engineering</i> , 2022, 37, 102222. | 5.7 | 5 |
| 101 | A local meshless method for the numerical solution of spaceâ€“dependent inverse heat problems. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 3066-3079. | 2.3 | 20 |
| 102 | Tunable Q-switched ytterbium-doped fibre laser with Nickel Oxide saturable absorber. <i>Indian Journal of Physics</i> , 2021, 95, 361-366. | 1.8 | 1 |
| 103 | Analytic approximate solutions of diffusion equations arising in oil pollution. <i>Journal of Ocean Engineering and Science</i> , 2021, 6, 62-69. | 4.3 | 39 |
| 104 | A coupling technique based on method of line and group preserving scheme for solving the nonlinear wave equation. <i>Journal of Information and Optimization Sciences</i> , 2021, 42, 579-589. | 0.3 | 0 |
| 105 | Atomic Fisher information and entanglement forecasting for quantum system based on artificial neural network and time series model. <i>International Journal of Quantum Chemistry</i> , 2021, 121, e26446. | 2.0 | 4 |
| 106 | Thermodynamic modeling of viscoelastic thin rotating microbeam based on non-Fourier heat conduction. <i>Applied Mathematical Modelling</i> , 2021, 91, 973-988. | 4.2 | 38 |
| 107 | Enhancement of the turbulent convective heat transfer in channels through the baffling technique and oil/multiwalled carbon nanotube nanofluids. <i>Numerical Heat Transfer; Part A: Applications</i> , 2021, 79, 311-351. | 2.1 | 27 |
| 108 | Thermal analysis for an experimental study of a cylindrical vertical solar chimney with internal PVC obstacles. <i>International Journal of Low-Carbon Technologies</i> , 2021, 16, 664-671. | 2.6 | 1 |

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| 109 | Quantum Integral Inequalities with Respect to Raina's Function via Coordinated Generalized η -Convex Functions with Applications. Journal of Function Spaces, 2021, 2021, 1-16. | 0.9 | 13 |
| 110 | A Lie group integrator to solve the hydromagnetic stagnation point flow of a second grade fluid over a stretching sheet. AIMS Mathematics, 2021, 6, 13392-13406. | 1.6 | 16 |
| 111 | Gaussian radial basis functions method for linear and nonlinear convection-diffusion models in physical phenomena. Open Physics, 2021, 19, 69-76. | 1.7 | 35 |
| 112 | An Efficient Meshless Method for Hyperbolic Telegraph Equations in (1 + 1) Dimensions. CMES - Computer Modeling in Engineering and Sciences, 2021, 128, 687-698. | 1.1 | 9 |
| 113 | A Novel Value for the Parameter in the Dai-Liao-Type Conjugate Gradient Method. Journal of Function Spaces, 2021, 2021, 1-10. | 0.9 | 3 |
| 114 | New algorithm for the approximate solution of generalized seventh order Korteweg-Devries equation arising in shallow water waves. Results in Physics, 2021, 20, 103744. | 4.1 | 10 |
| 115 | Mild solutions of a fractional partial differential equation with noise. Mathematical Methods in the Applied Sciences, 2021, 44, 5648-5662. | 2.3 | 3 |
| 116 | Computational fluid dynamic simulations and heat transfer characteristic comparisons of various arc-baffled channels. Open Physics, 2021, 19, 51-60. | 1.7 | 9 |
| 117 | Riemann-Liouville Fractional integral operators with respect to increasing functions and strongly (α, m) -convex functions. AIMS Mathematics, 2021, 6, 11403-11424. | 1.6 | 1 |
| 118 | W-Chirped optical solitons and modulation instability analysis of Chen-Lee-Liu equation in optical monomode fibres. Open Physics, 2021, 19, 26-34. | 1.7 | 1 |
| 119 | Generalized thermoelasticity based on higher-order memory-dependent derivative with time delay. Results in Physics, 2021, 20, 103705. | 4.1 | 44 |
| 120 | New formulation for discrete dynamical type inequalities via h -discrete fractional operator pertaining to nonsingular kernel. Mathematical Biosciences and Engineering, 2021, 18, 1794-1812. | 1.9 | 13 |
| 121 | M -truncated optical soliton and their characteristics to a nonlinear equation governing the certain instabilities of modulated wave trains. AIMS Mathematics, 2021, 6, 9207-9221. | 1.6 | 4 |
| 122 | Numerical simulation of 3-D fractional-order convection-diffusion PDE by a local meshless method. Thermal Science, 2021, 25, 347-358. | 1.1 | 27 |
| 123 | Analysis of couple stress fluid flow with variable viscosity using two homotopy-based methods. Open Physics, 2021, 19, 134-145. | 1.7 | 4 |
| 124 | Reproducing kernel functions and homogenizing transforms. Thermal Science, 2021, 25, 9-18. | 1.1 | 8 |
| 125 | Modeling of pressure-volume controlled artificial respiration with local derivatives. Advances in Difference Equations, 2021, 2021, 49. | 3.5 | 7 |
| 126 | A detailed study on a solvable system related to the linear fractional difference equation. Mathematical Biosciences and Engineering, 2021, 18, 5392-5408. | 1.9 | 7 |

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|-----|---|-----|-----------|
| 127 | Modeling of Dark Solitons for Nonlinear Longitudinal Wave Equation in a Magneto-Electro-Elastic Circular Rod. <i>Sound and Vibration</i> , 2021, 55, 241-251. | 0.3 | 3 |
| 128 | Series solution to fractional contact problem using Caputo's derivative. <i>Open Physics</i> , 2021, 19, 402-412. | 1.7 | 3 |
| 129 | Double-Diffusive of a Nanofluid in a Rectangle-Shape Mounted on a Cavity Saturated by Heterogeneous Porous Media. <i>Journal of Mathematics</i> , 2021, 2021, 1-14. | 1.0 | 2 |
| 130 | Hermite-Hadamard Type Inequalities via Generalized Harmonic Exponential Convexity and Applications. <i>Journal of Function Spaces</i> , 2021, 2021, 1-12. | 0.9 | 20 |
| 131 | Thermosolutal natural convection across an inclined square enclosure partially filled with a porous medium. <i>Results in Physics</i> , 2021, 21, 103821. | 4.1 | 7 |
| 132 | Laser-heated needle for biopsy tract ablation: In vivo study of rabbit liver biopsy. <i>Physica Medica</i> , 2021, 82, 40-45. | 0.7 | 4 |
| 133 | Study of (Ag and TiO ₂)/water nanoparticles shape effect on heat transfer and hybrid nanofluid flow toward stretching shrinking horizontal cylinder. <i>Results in Physics</i> , 2021, 21, 103812. | 4.1 | 59 |
| 134 | Mathematical modeling and experimental analysis of the efficacy of photodynamic therapy in conjunction with photo thermal therapy and PEG-coated Au-doped TiO ₂ nanostructures to target MCF-7 cancerous cells. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 1226-1232. | 3.8 | 15 |
| 135 | Fractional methicillin-resistant <i>Staphylococcus aureus</i> infection model under Caputo operator. <i>Journal of Applied Mathematics and Computing</i> , 2021, 67, 755-783. | 2.5 | 22 |
| 136 | Construction of multi-wave complexiton solutions of the Kadomtsev-Petviashvili equation via two efficient analyzing techniques. <i>Results in Physics</i> , 2021, 21, 103775. | 4.1 | 31 |
| 137 | Dengue control measures via cytoplasmic incompatibility and modern programming tools. <i>Results in Physics</i> , 2021, 21, 103819. | 4.1 | 13 |
| 138 | Study of an implicit type coupled system of fractional differential equations by means of topological degree theory. <i>Advances in Difference Equations</i> , 2021, 2021, . | 3.5 | 1 |
| 139 | Numerical solution of time-fractional coupled Korteweg-de Vries and Klein-Gordon equations by local meshless method. <i>Pramana - Journal of Physics</i> , 2021, 95, 1. | 1.8 | 28 |
| 140 | New solitary wave solutions to the coupled Maccari's system. <i>Results in Physics</i> , 2021, 21, 103801. | 4.1 | 35 |
| 141 | Improved Heat Transfer in W-Baffled Air-Heat Exchangers with Upper-Inlet and Lower-Exit. <i>Mathematical Modelling of Engineering Problems</i> , 2021, 8, 1-9. | 0.5 | 8 |
| 142 | Modeling and analysis of high shear viscoelastic Ellis thin liquid film phenomena. <i>Physica Scripta</i> , 2021, 96, 055201. | 2.5 | 12 |
| 143 | Manganese-doped cerium oxide nanocomposite as a therapeutic agent for MCF-7 adenocarcinoma cell line. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 1233-1238. | 3.8 | 20 |
| 144 | Miscellaneous optical solitons in magneto-optic waveguides associated to the influence of the cross-phase modulation in instability spectra. <i>Physica Scripta</i> , 2021, 96, 045216. | 2.5 | 17 |

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|-----|---|-----|-----------|
| 145 | Invariance Analysis, Exact Solution and Conservation Laws of (2 + 1) Dim Fractional Kadomtsev-Petviashvili (KP) System. <i>Symmetry</i> , 2021, 13, 477. | 2.2 | 22 |
| 146 | Dynamic behaviors for a (2 + 1)-dimensional inhomogenous Heisenberg ferromagnetic spin chain system. <i>Modern Physics Letters B</i> , 2021, 35, 2150251. | 1.9 | 2 |
| 147 | Modelling of vibrations of rotating nanoscale beams surrounded by a magnetic field and subjected to a harmonic thermal field using a state-space approach. <i>European Physical Journal Plus</i> , 2021, 136, 1. | 2.6 | 16 |
| 148 | Analytical survey of the predatorâ€“prey model with fractional derivative order. <i>AIP Advances</i> , 2021, 11, . | 1.3 | 19 |
| 149 | Approximate Numerical solutions for the nonlinear dispersive shallow water waves as the Fornbergâ€“Whitham model equations. <i>Results in Physics</i> , 2021, 22, 103907. | 4.1 | 15 |
| 150 | QUALITATIVE PROPERTIES OF SOLUTIONS OF FRACTIONAL DIFFERENTIAL AND DIFFERENCE EQUATIONS ARISING IN PHYSICAL MODELS. <i>Fractals</i> , 2021, 29, 2140024. | 3.7 | 6 |
| 151 | Structural, electrical and optical properties of Zn1âˆ“xCuO (x=0.00â€“0.09) nanoparticles. <i>Journal of King Saud University - Science</i> , 2021, 33, 101330. | 3.5 | 5 |
| 152 | Thermo-viscoelastic fractional model of rotating nanobeams with variable thermal conductivity due to mechanical and thermal loads. <i>Modern Physics Letters B</i> , 2021, 35, 2150297. | 1.9 | 21 |
| 153 | Survey of third- and fourth-order dispersions including ellipticity angle in birefringent fibers on W-shaped soliton solutions and modulation instability analysis. <i>European Physical Journal Plus</i> , 2021, 136, 1. | 2.6 | 32 |
| 154 | The exact solutions of the stochastic Ginzburgâ€“Landau equation. <i>Results in Physics</i> , 2021, 23, 103988. | 4.1 | 50 |
| 155 | Analysis of novel fractional COVID-19 model with real-life data application. <i>Results in Physics</i> , 2021, 23, 103968. | 4.1 | 21 |
| 156 | Impact of a closed space rectangular heat source on natural convective flow through triangular cavity. <i>Results in Physics</i> , 2021, 23, 104011. | 4.1 | 21 |
| 157 | ARALD: Arabic Annotation Using Linked Data. <i>Ingenierie Des Systemes D'Information</i> , 2021, 26, 143-149. | 0.7 | 0 |
| 158 | Effect of the Properties of Chalcopyrite Semiconductors on the Physical and Optical Parameters of Cell Layers with CIGS. <i>Revue Des Composites Et Des Materiaux Avances</i> , 2021, 31, 65-72. | 0.6 | 0 |
| 159 | Study on the helicoidal flow through cylindrical annuli with prescribed shear stresses. <i>Results in Physics</i> , 2021, 23, 103993. | 4.1 | 4 |
| 160 | Analysis of fractionalâ€“order nonlinear dynamic systems under Caputo differential operator. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 10861-10880. | 2.3 | 3 |
| 161 | Experimental Study of the Efficiency of a Solar Water Heater Construction from Recycled Plastic Bottles. <i>International Journal of Design and Nature and Ecodynamics</i> , 2021, 16, 121-126. | 0.5 | 2 |
| 162 | Enhanced Heat Transfer by Oil/Multi-Walled Carbon Nano-Tubes Nanofluid. <i>Annales De Chimie: Science Des Materiaux</i> , 2021, 45, 93-103. | 0.4 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 163 | New Results on Qualitative Behavior of Second Order Nonlinear Neutral Impulsive Differential Systems with Canonical and Non-Canonical Conditions. <i>Symmetry</i> , 2021, 13, 934. | 2.2 | 9 |
| 164 | The Comparative Study for Solving Fractional-Order Fornberg's Whitham Equation via Laplace Transform. <i>Symmetry</i> , 2021, 13, 784. | 2.2 | 33 |
| 165 | New exact solutions for nonlinear Atangana conformable Boussinesq-like equations by new Kudryashov method. <i>International Journal of Modern Physics B</i> , 2021, 35, 2150163. | 2.0 | 16 |
| 166 | M-shape and W-shape bright incite by the fluctuations of the polarization in a-helix protein. <i>Physica Scripta</i> , 2021, 96, 085501. | 2.5 | 9 |
| 167 | Chirped solitary waves of the perturbed Chen-Lee-Liu equation and modulation instability in optical monomode fibres. <i>Optical and Quantum Electronics</i> , 2021, 53, 1. | 3.3 | 18 |
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