Ilyas Khan

List of Publications by Year
in descending order

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731	17,381	26567 56	71532 76
papers	citations	h-index	g-index

744	744	744	4887
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optimal design of Fractional order PID controller based Automatic voltage regulator system using gradient-based optimization algorithm. Journal of King Saud University, Engineering Sciences, 2024, 36, 32-44.	1.2	43
2	Symmetries, optimal system, exact and soliton solutions of (<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 717 Td (xmlns:mml="http Gardner-KP equation. Journal of Ocean Engineering and Science, 2024, 9, 178-190.	1.7	1
3	Dynamics of water conveying copper and alumina nanomaterials when viscous dissipation and thermal radiation are significant: Singleâ€phase model with multiple solutions. Mathematical Methods in the Applied Sciences, 2023, 46, 11603-11617.	1.2	12
4	Thermal improvement in magnetized nanofluid for multiple shapes nanoparticles over radiative rotating disk. AEJ - Alexandria Engineering Journal, 2022, 61, 2318-2329.	3.4	31
5	Synoptic view on P ore beneficiation techniques. AEJ - Alexandria Engineering Journal, 2022, 61, 3069-3092.	3.4	19
6	Supervised neural networks learning algorithm for three dimensional hybrid nanofluid flow with radiative heat and mass fluxes. Ain Shams Engineering Journal, 2022, 13, 101573.	3.5	34
7	Non-standard computational analysis of the stochastic COVID-19 pandemic model: An application of computational biology. AEJ - Alexandria Engineering Journal, 2022, 61, 619-630.	3.4	34
8	Design of Computer Methods for the Solution of Cervical Cancer Epidemic Model. Computers, Materials and Continua, 2022, 70, 1649-1666.	1.5	7
9	Finite difference simulations for magnetically effected swirling flow of Newtonian liquid induced by porous disk with inclusion of thermophoretic particles diffusion. AEJ - Alexandria Engineering Journal, 2022, 61, 4341-4358.	3.4	15
10	Simulation of Non-Isothermal Turbulent Flows Through Circular Rings of Steel. Computers, Materials and Continua, 2022, 70, 4341-4355.	1.5	1
11	Melting heat transfer of a magnetized water-based hybrid nanofluid flow past over a stretching/shrinking wedge. Case Studies in Thermal Engineering, 2022, 30, 101674.	2.8	26
12	Theoretical Analysis of Activation Energy Effect on Prandtlâ€“Eyring Nanoliquid Flow Subject to Melting Condition. Journal of Non-Equilibrium Thermodynamics, 2022, 47, 1-12.	2.4	27
13	A remarkable chaotic analysis for coherence fraction order with its applications. Chaos, Solitons and Fractals, 2022, 154, 111601.	2.5	2
14	Stratified Flow of Micropolar Nanofluid over Riga Plate: Numerical Analysis. Energies, 2022, 15, 316.	1.6	21
15	Numerical analysis of laminar flow and heat transfer through a rectangular channel containing perforated plate at different angles. Energy Reports, 2022, 8, 539-550.	2.5	10
16	NEW RESULTS OF FRACTAL FRACTIONAL MODEL OF DRILLING NANOLIQUIDS WITH CLAY NANOPARTICLES. Fractals, 2022, 30, .	1.8	15
17	A novel analysis of heat transfer in the nanofluid composed by nanodimaond and silver nanomaterials: numerical investigation. Scientific Reports, 2022, 12, 1284.	1.6	18
18	A novel approach to analyze pion femtoscopy for particle emitting sources with Boseâ€“Einstein condensation. Results in Physics, 2022, 32, 105075.	2.0	4

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19	Thermal Transport in Radiative Nanofluids by Considering the Influence of Convective Heat Condition. Journal of Nanomaterials, 2022, 2022, 1-11.	1.5	16
20	Structure Preserving Algorithm for Fractional Order Mathematical Model of COVID-19. Computers, Materials and Continua, 2022, 71, 2141-2157.	1.5	2
21	Fractional model of MHD blood flow in a cylindrical tube containing magnetic particles. Scientific Reports, 2022, 12, 418.	1.6	6
22	Mathematical Simulation of Casson MHD Flow through a Permeable Moving Wedge with Nonlinear Chemical Reaction and Nonlinear Thermal Radiation. Materials, 2022, 15, 747.	1.3	30
23	Impact of freezing temperature (Tfr) of Al2O3 and molecular diameter (H2O)d on thermal enhancement in magnetized and radiative nanofluid with mixed convection. Scientific Reports, 2022, 12, 703.	1.6	15
24	Study of Third-Grade Fluid under the Fuzzy Environment with Couette and Poiseuille Flows. Mathematical Problems in Engineering, 2022, 2022, 1-19.	0.6	9
25	Two new generalized iteration methods for solving absolute value equations using $ M $-matrix. AIMS Mathematics, 2022, 7, 8176-8187.	0.7	20
26	Types of Lightweight Cryptographies in Current Developments for Resource Constrained Machine Type Communication Devices: Challenges and Opportunities. IEEE Access, 2022, 10, 35589-35604.	2.6	1
27	Analysis of positive measure reducibility for quasi-periodic linear systems under Brjuno-RÃ¼ssmann condition. AIMS Mathematics, 2022, 7, 9373-9388.	0.7	1
28	Chemically reactive Maxwell nanoliquid flow by a stretching surface in the frames of Newtonian heating, nonlinear convection and radiative flux: Nanopolymer flow processing simulation. Nanotechnology Reviews, 2022, 11, 1291-1306.	2.6	21
29	Computational Analysis of Nanoparticle Shapes on Hybrid Nanofluid Flow Due to Flat Horizontal Plate via Solar Collector. Nanomaterials, 2022, 12, 663.	1.9	23
30	Numerical computation of 3D Brownian motion of thin film nanofluid flow of convective heat transfer over a stretchable rotating surface. Scientific Reports, 2022, 12, 2708.	1.6	25
31	Effects of MHD and Porosity on Jeffrey Fluid Flow with Wall Transpiration. Mathematical Problems in Engineering, 2022, 2022, 1-9.	0.6	3
32	Mixed Convection Squeezing Flow of Nanofluids in a Rotating Channel with Thermal Radiation. Journal of Mathematics, 2022, 2022, 1-15.	0.5	4
33	Magnetization for Burgersâ€™ Fluid Subject to Convective Heating and Heterogeneous-Homogeneous Reactions. Mathematical Problems in Engineering, 2022, 2022, 1-15.	0.6	17
34	Time fractional analysis of channel flow of couple stress Casson fluid using Fickâ€™s and Fourierâ€™s Laws. Scientific Reports, 2022, 12, 2956.	1.6	6
35	Lie Group Analysis of Double Diffusive MHD Tangent Hyperbolic Fluid Flow over a Stretching Sheet. Mathematical Problems in Engineering, 2022, 2022, 1-14.	0.6	6
36	Certain Families of Analytic Functions Characterized by <math xmlns="http://www.w3.org/1998/Math/MathML" id="M1"> <mfenced open="(" close=")" separators="|"> <mrow> <mi>p</mi> <mo>,</mo> <mi>q</mi> </mrow> </mfenced> </math>-Difference Operator. Journal of Mathematics, 2022, 2022, 1-9.	0.5	0

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37	Numerical assessment of heat and mass transportation in $$upgamma {mathrm{Al}}_{2}{mathrm{O}}_{3}{-}{mathrm{H}}_{2}mathrm{O}/{mathrm{C}}_{2}{mathrm{H}}_{6}{mathrm{O}}_{2}$$ nanofluids influenced by Soret and Dufour effects. Scientific Reports, 2022, 12, 3987.	1.6	3
38	Heat transfer enhancement and entropy generation of two working fluids of MHD flow with titanium alloy nanoparticle in Darcy medium. Journal of Thermal Analysis and Calorimetry, 2022, 147, 10815-10826.	2.0	14
39	Thermal decomposition of propylene oxide with different activation energy and Reynolds number in a multicomponent tubular reactor containing a cooling jacket. Scientific Reports, 2022, 12, 4169.	1.6	3
40	Thermal transport investigation and shear drag at solidâ€“liquid interface of modified permeable radiative-SRID subject to Darcyâ€“Forchheimer fluid flow composed by Î³-nanomaterial. Scientific Reports, 2022, 12, 3564.	1.6	24
41	Optical solitons of NLS-type differential equations by extended direct algebraic method. International Journal of Geometric Methods in Modern Physics, 2022, 19, .	0.8	8
42	Statistical Analysis of Hydrodynamic Forces in Power-Law Fluid Flow in a Channel: Circular Versus Semi-Circular Cylinder. Frontiers in Physics, 2022, 10, .	1.0	2
43	Serological investigation of vector-borne pathogens in stray dogs of Pakistan. Tierarztliche Praxis Ausgabe K: Kleintiere - Heimtiere, 2022, 50, .	0.3	0
44	Higher-Order Accurate and Conservative Hybrid Numerical Scheme for Relativistic Time-Fractional Vlasov-Maxwell System. Journal of Function Spaces, 2022, 2022, 1-12.	0.4	0
45	Crank Nicholson scheme to examine the fractional-order unsteady nanofluid flow of free convection of viscous fluids. PLoS ONE, 2022, 17, e0261860.	1.1	5
46	Heat Transfer Analysis of Nanostructured Material Flow over an Exponentially Stretching Surface: A Comparative Study. Nanomaterials, 2022, 12, 1204.	1.9	18
47	DYNAMICS OF LOVE AFFAIR OF ROMEO AND JULIET THROUGH MODERN MATHEMATICAL TOOLS: A CRITICAL ANALYSIS VIA FRACTAL-FRACTIONAL DIFFERENTIAL OPERATOR. Fractals, 2022, 30, .	1.8	8
48	A NEW FRACTIONAL-ORDER STABILITY ANALYSIS OF SIR MODEL FOR THE TRANSMISSION OF BURULI DISEASE: A BIOMEDICAL APPLICATION. Fractals, 2022, 30, .	1.8	5
49	Global analysis of a time fractional order spatio-temporal SIR model. Scientific Reports, 2022, 12, 5751.	1.6	11
50	Periodic Flow of Non-Newtonian Fluid Over a Uniformly Heated Block With Thermal Plates: A Hybrid Mesh-Based Study. Frontiers in Physics, 2022, 10, .	1.0	7
51	Novel Algorithms for Solving a System of Absolute Value Variational Inequalities. Journal of Function Spaces, 2022, 2022, 1-10.	0.4	0
52	Atangana-Baleanu Caputo fractional-order modeling of plasma particles with circular polarization of LASER light: An extended version of Vlasov-Maxwell system. AEJ - Alexandria Engineering Journal, 2022, 61, 8641-8652.	3.4	3
53	ANALYSIS OF THE FLOW OF BRINKMAN-TYPE NANOFLUID USING GENERALIZED FOURIERâ€™S AND FICKâ€™S LAWS. Fractals, 2022, 30, .	1.8	5
54	TRAVELING WAVE SOLUTIONS TO A MATHEMATICAL MODEL OF FRACTIONAL ORDER (2+1)-DIMENSIONAL BREAKING SOLITON EQUATION. Fractals, 2022, 30, .	1.8	5

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55	DYNAMICS OF COOPERATIVE REACTIONS BASED ON CHEMICAL KINETICS WITH REACTION SPEED: A COMPARATIVE ANALYSIS WITH SINGULAR AND NONSINGULAR KERNELS. Fractals, 2022, 30, .	1.8	11
56	Triple Solutions with Stability Analysis of MHD Mixed Convection Flow of Micropolar Nanofluid with Radiation Effect. Journal of Nanomaterials, 2022, 2022, 1-21.	1.5	0
57	Fuzzy Analysis for Thin-Film Flow of a Third-Grade Fluid Down an Inclined Plane. Mathematical Problems in Engineering, 2022, 2022, 1-16.	0.6	5
58	The Fractional Hilbert Transform on the Real Line. Mathematical Problems in Engineering, 2022, 2022, 1-11.	0.6	1
59	Scientific investigation of a fractional model based on hybrid nanofluids with heat generation and porous medium: applications in the drilling process. Scientific Reports, 2022, 12, 6524.	1.6	11
60	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.	0.8	2
61	Lie analysis, conserved vectors, nonlinear self-adjoint classification and exact solutions of generalized $ left(N+1ight) $-dimensional nonlinear Boussinesq equation. AIMS Mathematics, 2022, 7, 13139-13168.	0.7	2
62	Conversion of Fructose to 5-Hydroxymethyl Furfural: Mathematical Solution with Experimental Validation. Journal of Mathematics, 2022, 2022, 1-8.	0.5	5
63	General Solution for Unsteady MHD Natural Convection Flow with Arbitrary Motion of the Infinite Vertical Plate Embedded in Porous Medium. Journal of Mathematics, 2022, 2022, 1-10.	0.5	1
64	Analysis of Complex Networks via Some Novel Topological Indices. Mathematical Problems in Engineering, 2022, 2022, 1-13.	0.6	1
65	Solitary Wave Solutions of Conformable Time Fractional Equations Using Modified Simplest Equation Method. Complexity, 2022, 2022, 1-9.	0.9	7
66	Heat Transfer Evaluation in MgZn6Zr/C8H18 [(Magnesiumâ€“Zincâ€“Zirconium)/Engine Oil] With Non-linear Solar Thermal Radiations and Modified Slip Boundaries Over a 3-Dimensional Convectively Heated Surface. Frontiers in Energy Research, 2022, 10, .	1.2	0
67	Dynamic response and low voltage ride-through enhancement of brushless double-fed induction generator using Salp swarm optimization algorithm. PLoS ONE, 2022, 17, e0265611.	1.1	6
68	Numerical analysis of entropy generation and induced magnetic field on unsteady stagnation flow with suction/injection. Numerical Heat Transfer, Part B: Fundamentals, 2022, 82, 95-111.	0.6	11
69	The Effects of Magneto-Radiative Parameters on the Heat Transfer Mechanism in H2O Composed by Cu-Al2O3 Hybrid Nanomaterial: Numerical Investigation. Mathematical Problems in Engineering, 2022, 2022, 1-10.	0.6	2
70	Natural convection simulation of Prabhakar-like fractional Maxwell fluid flowing on inclined plane with generalized thermal flux. Case Studies in Thermal Engineering, 2022, 35, 102042.	2.8	6
71	Treatment of COVID-19 Patients Using Some New Topological Indices. Journal of Chemistry, 2022, 2022, 1-10.	0.9	2
72	Magneto-Exothermic Catalytic Chemical Reaction along a Curved Surface. Mathematical Problems in Engineering, 2022, 2022, 1-10.	0.6	1

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73	Energy Transformation and Entropy Investigation in the Nanofluid Composed by Î³-Nanomaterial Over a Permeable Convective Surface With Solar Thermal Radiation: A Numerical Analysis. Frontiers in Energy Research, 2022, 10, .	1.2	7
74	Unsteady MHD Tangent Hyperbolic Nanofluid Past a Wedge Filled with Gyrotactic Micro-Organism. Mathematical Problems in Engineering, 2022, 2022, 1-14.	0.6	4
75	Effect of Nanoparticles on Wire Surface Coating Using Viscoelastic Third-Grade Fluid as a Coating Polymer inside Permeable Covering Die with Variable Viscosity and Magnetic Field. Journal of Nanomaterials, 2022, 2022, 1-15.	1.5	4
76	Analytical Simulation of Heat and Mass Transmission in Casson Fluid Flow across a Stretching Surface. Mathematical Problems in Engineering, 2022, 2022, 1-11.	0.6	7
77	New Subclass of Analytic Function Related with Generalized Conic Domain Associated with <math xmlns="http://www.w3.org/1998/Math/MathML" id="M1"> <mi>q</mi> <mo>â€²</mo> </math> Differential Operator. Journal of Mathematics, 2022, 2022, 1-11.	0.5	2
78	Analysis of fuzzified boundary value problems for MHD Couette and Poiseuille flow. Scientific Reports, 2022, 12, 8368.	1.6	10
79	Numerical investigation of heat transfer in the nanofluids under the impact of length and radius of carbon nanotubes. Open Physics, 2022, 20, 416-430.	0.8	2
80	A time fractional model of Brinkman-type nanofluid with ramped wall temperature and concentration. Advances in Mechanical Engineering, 2022, 14, 168781322210960.	0.8	11
81	Heat-mass transfer of MHD second grade fluid flow with exponential heating, chemical reaction and porosity by using fractional Caputo-Fabrizio derivatives. Case Studies in Thermal Engineering, 2022, 36, 102104.	2.8	3
82	Heat transfer analysis of Cu and Al2O3 dispersed in ethylene glycol as a base fluid over a stretchable permeable sheet of MHD thin-film flow. Scientific Reports, 2022, 12, .	1.6	10
83	The Velocity Slip Boundary Condition Effects on Non-Newtonian Ferrofluid over a Stretching Sheet. Mathematical Problems in Engineering, 2022, 2022, 1-20.	0.6	5
84	Modelling and Simulation of Fluid Flow through a Circular Cylinder with High Reynolds Number: A COMSOL Multiphysics Study. Journal of Mathematics, 2022, 2022, 1-9.	0.5	5
85	Analysis of Heat and Mass Transfer of Fractionalized MHD Second-Grade Fluid over Nonlinearly Moving Porous Plate. Mathematical Problems in Engineering, 2022, 2022, 1-31.	0.6	1
86	Mathematical analysis of second law on Casson fluid through a vertical plate with arbitrary shear stress and exponential heating. Pramana - Journal of Physics, 2022, 96, .	0.6	1
87	Urbanization Detection Using LiDAR-Based Remote Sensing Images of Azad Kashmir Using Novel 3D CNNs. Journal of Sensors, 2022, 2022, 1-9.	0.6	3
88	Numerical Energy Storage Efficiency of MWCNTs-Propylene Glycol by Inducing Thermal Radiations and Combined Convection Effects in the Constitutive Model. Frontiers in Chemistry, 2022, 10, .	1.8	23
89	Convolutional Autoencoder-Based Deep Learning Approach for Aerosol Emission Detection Using LiDAR Dataset. Journal of Sensors, 2022, 2022, 1-17.	0.6	5
90	Multiple-scale analysis of the parametric-driven sine-Gordon equation with phase shifts. Open Physics, 2022, 20, 526-537.	0.8	0

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91	Entropy Generation Analysis for MHD Flow of Hybrid Nanofluids over a Curved Stretching Surface with Shape Effects. Journal of Nanomaterials, 2022, 2022, 1-10.	1.5	5
92	Thermal enhancement in Falknerâ€“Skan flow of the nanofluid by considering molecular diameter and freezing temperature. Scientific Reports, 2022, 12, .	1.6	12
93	Closed-form solution of oscillating Maxwell nano-fluid with heat and mass transfer. Scientific Reports, 2022, 12, .	1.6	6
94	Fractional order mathematical model of monkeypox transmission dynamics. Physica Scripta, 2022, 97, 084005.	1.2	61
95	Numerical Approximation of Compressible Two-Phase Six-Equation Model Using <math xmlns="http://www.w3.org/1998/Math/MathML" id="M1"> <mtext>CE</mtext> <mo>/</mo> <mtext>SE</mtext> </math> and RKDG Schemes. Advances in Mathematical Physics, 2022, 2022, 1-10.	0.4	0
96	QUANTUM STATISTICAL PERSPECTIVE TO EXAMINE THE SOURCE CHAOS FRACTION THROUGH BOSON FEMTOSCOPY. Fractals, 2022, 30, .	1.8	5
97	Numerical analysis of heat and mass transfer in micropolar nanofluids flow through lid driven cavity: Finite volume approach. Case Studies in Thermal Engineering, 2022, 37, 102233.	2.8	34
98	Magnetohydrodynamic flow of Cuâ€“Fe3O4/H2O hybrid nanofluid with effect of viscous dissipation: dual similarity solutions. Journal of Thermal Analysis and Calorimetry, 2021, 143, 915-927.	2.0	57
99	Performance enhancement of regenerative gas turbine: air bottoming combined cycle using bypass valve and heat exchangerâ€”energy and exergy analysis. Journal of Thermal Analysis and Calorimetry, 2021, 144, 821-834.	2.0	5
100	Numerical analysis of nonlinear mixed convective MHD chemically reacting flow of Prandtlâ€“Eyring nanofluids in the presence of activation energy and Joule heating. Journal of Thermal Analysis and Calorimetry, 2021, 145, 495-505.	2.0	31
101	Thermodynamic potential of a high-concentration hybrid photovoltaic/thermal plant for co-production of steam and electricity. Journal of Thermal Analysis and Calorimetry, 2021, 143, 1389-1398.	2.0	26
102	Thermal analysis of a binary base fluid in pool boiling system of glycolâ€“water alumina nano-suspension. Journal of Thermal Analysis and Calorimetry, 2021, 143, 2453-2462.	2.0	40
103	An exact analysis of radiative heat transfer and unsteady MHD convective flow of a secondâ€grade fluid with ramped wall motion and temperature. Heat Transfer, 2021, 50, 196-219.	1.7	10
104	Magnetohydrodynamic Flow of Casson Nanofluid in a Channel Filled with Thermophoretic Diffusion Effect and Multiple Slips. Lecture Notes in Mechanical Engineering, 2021, , 232-246.	0.3	2
105	Elastic and Optoelectronic Properties of Cs2NaMCl6 (M = In, Tl, Sb, Bi). Journal of Electronic Materials, 2021, 50, 456-466.	1.0	33
106	Computable generalization of fractional kinetic equation with special functions. Journal of King Saud University - Science, 2021, 33, 101221.	1.6	10
107	A generalized model for quantitative analysis of sediments loss: A Caputo time fractional model. Journal of King Saud University - Science, 2021, 33, 101179.	1.6	16
108	Boiling flow of graphene nanoplatelets nano-suspension on a small copper disk. Powder Technology, 2021, 377, 10-19.	2.1	51

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109	Heat transfer in magnetohydrodynamic free convection flow of generalized ferrofluid with magnetite nanoparticles. Journal of Thermal Analysis and Calorimetry, 2021, 143, 3633-3642.	2.0	32
110	Temporal Stability Analysis of Magnetized Hybrid Nanofluid Propagating Through an Unsteady Shrinking Sheet: Partial Slip Conditions. Computers, Materials and Continua, 2021, 66, 1963-1975.	1.5	26
111	Analysis of Power Law Fluids and the Heat Distribution on a Facing Surface of a Circular Cylinder Embedded in Rectangular Channel Fixed With Screen: A Finite Elementâ€™s Analysis. IEEE Access, 2021, 9, 74719-74728.	2.6	7
112	Analysis of the Physical Behavior of the Periodic Mixed-Convection Flow around a Nonconducting Horizontal Circular Cylinder Embedded in a Porous Medium. Journal of Mathematics, 2021, 2021, 1-7.	0.5	9
113	Analysis and Dynamics of Fractional Order Mathematical Model of COVID-19 in Nigeria Using Atangana-Baleanu Operator. Computers, Materials and Continua, 2021, 66, 1823-1848.	1.5	62
114	Hydromagnetic Flow of Prandtl Nanofluid Past Cylindrical Surface with Chemical Reaction and Convective Heat Transfer Aspects. Mathematical Problems in Engineering, 2021, 2021, 1-16.	0.6	11
115	Comprehensive investigation of reduced graphene oxide (rGO) in the base fluid: thermal analysis and ANN modeling. Journal of Thermal Analysis and Calorimetry, 2021, 144, 2605.	2.0	7
116	Finite Element Analysis of Fluid Flow through the Screen Embedded between Parallel Plates with High Reynolds Numbers. Journal of Function Spaces, 2021, 2021, 1-9.	0.4	2
117	Convection heat mass transfer and MHD flow over a vertical plate with chemical reaction, arbitrary shear stress and exponential heating. Scientific Reports, 2021, 11, 4265.	1.6	14
118	Shape effect on MHD flow of time fractional Ferro-Brinkman type nanofluid with ramped heating. Scientific Reports, 2021, 11, 3725.	1.6	22
119	The effect of potassium insertion on optoelectronic properties of cadmium chalcogenides. Materials Science in Semiconductor Processing, 2021, 122, 105466.	1.9	7
120	Estimates for Commutators of Bilinear Fractional<math xmlns="http://www.w3.org/1998/Math/MathML" id="M1"><mi>p</mi></math>-Adic Hardy Operator on Herz-Type Spaces. Journal of Function Spaces, 2021, 2021, 1-7.	0.4	7
121	A comparative epidemiological stability analysis of predictor corrector type non-standard finite difference scheme for the transmissibility of measles. Results in Physics, 2021, 21, 103756.	2.0	18
122	Accelerated Non-Coaxial Rotating Flow of MHD Viscous Fluid with Heat and Mass Transfer. IOP Conference Series: Materials Science and Engineering, 2021, 1051, 012044.	0.3	1
123	Darcy-Forchheimer porous medium effect on rotating hybrid nanofluid on a linear shrinking/stretching sheet. International Journal of Numerical Methods for Heat and Fluid Flow, 2021, 31, 3621-3641.	1.6	8
124	Three-Dimensional Rotating Flow of MHD Jeffrey Fluid Flow between Two Parallel Plates with Impact of Hall Current. Mathematical Problems in Engineering, 2021, 2021, 1-9.	0.6	17
125	Nanomaterials in convection flow of nanofluid in upright channel with gradients. Journal of Materials Research and Technology, 2021, 11, 1411-1423.	2.6	12
126	FRACTIONAL MAGNETOHYDRODYNAMIC FLOW OF A SECOND GRADE FLUID IN A POROUS MEDIUM WITH VARIABLE WALL VELOCITY AND NEWTONIAN HEATING. Fractals, 2021, 29, 2150060.	1.8	4

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127	Insight into kerosene conveying CNTs and Fe3O4 nanoparticles through a porous medium: significance of Coriolis force and entropy generation. Physica Scripta, 2021, 96, 055705.	1.2	26
128	Entropy Generation Incorporating Î³-Nanofluids under the Influence of Nonlinear Radiation with Mixed Convection. Crystals, 2021, 11, 400.	1.0	5
129	Solitary wave patterns and conservation laws of fourth-order nonlinear symmetric regularized long-wave equation arising in plasma. Ain Shams Engineering Journal, 2021, 12, 3919-3930.	3.5	16
130	Numerical study for epidemic model of hepatitis-B virus. European Physical Journal Plus, 2021, 136, 1.	1.2	9
131	Numerical Scrutinization of Darcy-Forchheimer Relation in Convective Magnetohydrodynamic Nanofluid Flow Bounded by Nonlinear Stretching Surface in the Perspective of Heat and Mass Transfer. Micromachines, 2021, 12, 374.	1.4	70
132	Impact of Nanofluid Flow over an Elongated Moving Surface with a Uniform Hydromagnetic Field and Nonlinear Heat Reservoir. Complexity, 2021, 2021, 1-9.	0.9	7
133	Thermal transport investigation in AA7072 and AA7075 aluminum alloys nanomaterials based radiative nanofluids by considering the multiple physical flow conditions. Scientific Reports, 2021, 11, 9837.	1.6	15
134	Thermally Enhanced Darcy-Forchheimer Casson-Water/Glycerine Rotating Nanofluid Flow with Uniform Magnetic Field. Micromachines, 2021, 12, 605.	1.4	44
135	Lie Symmetry Analysis and Dynamics of Exact Solutions of the (2+1)-Dimensional Nonlinear Sharmaâ€“Tassoâ€“Olver Equation. Mathematical Problems in Engineering, 2021, 2021, 1-12.	0.6	3
136	A fractional model of Casson fluid with ramped wall temperature: Engineering applications of engine oil. Computational and Mathematical Methods, 2021, 3, e1162.	0.3	24
137	Algorithms for a Generalized Multipolar Neutrosophic Soft Set with Information Measures to Solve Medical Diagnoses and Decision-Making Problems. Journal of Mathematics, 2021, 2021, 1-30.	0.5	8
138	Non-coaxial rotation flow of MHD Casson nanofluid carbon nanotubes past a moving disk with porosity effect. Ain Shams Engineering Journal, 2021, 12, 4099-4110.	3.5	17
139	Computations of mixed convection slip flow around the surface of a sphere: Effects of thermophoretic transportation and viscous dissipation. Heat Transfer, 2021, 50, 7349-7362.	1.7	12
140	The Effect of Wall Shear Stress on Two Phase Fluctuating Flow of Dusty Fluids by Using Light Hill Technique. Water (Switzerland), 2021, 13, 1587.	1.2	12
141	A novel study on hybrid model of radiative Cuâ€“$$hbox {Fe}_3hbox {O}_4$$/water nanofluid over a cone with PHF/PWT. European Physical Journal: Special Topics, 2021, 230, 1257-1271.	1.2	11
142	Thermal Radiation Effects on Unsteady Stagnation Point Nanofluid Flow in View of Convective Boundary Conditions. Mathematical Problems in Engineering, 2021, 2021, 1-13.	0.6	6
143	Numerical simulation of electrically conducting and thermally radiative nanofluid flow in view of elongated slippery plates. AIP Advances, 2021, 11, 065019.	0.6	2
144	Magnetic dipole and thermal radiation effects on hybrid base micropolar CNTs flow over a stretching sheet: Finite element method approach. Results in Physics, 2021, 25, 104145.	2.0	37

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145	Quasilinearization numerical technique for dual slip MHD Newtonian fluid flow with entropy generation in thermally dissipating flow above a thin needle. Scientific Reports, 2021, 11, 15130.	1.6	3
146	Carbon Nanotubes Flow Induced by Rotating Stretching Disk with Non-Linear Radiations and Slip. Combinatorial Chemistry and High Throughput Screening, 2021, 24, .	0.6	0
147	The Numerical Investigation of the Heat Transport in the Nanofluids under the Impacts of Magnetic Field: Applications in Industrial Zone. Mathematical Problems in Engineering, 2021, 2021, 1-11.	0.6	2
148	Mathematical analysis and numerical investigation of advection-reaction-diffusion computer virus model. Results in Physics, 2021, 26, 104294.	2.0	13
149	An Analytical Approach to Study the Blood Flow over a Nonlinear Tapering Stenosed Artery in Flow of Carreau Fluid Model. Complexity, 2021, 2021, 1-11.	0.9	16
150	Impact of Hall Current and Nonlinear Thermal Radiation on Jeffrey Nanofluid Flow in Rotating Frame. Mathematical Problems in Engineering, 2021, 2021, 1-21.	0.6	6
151	SARS-CoV-2 infection with lytic and non-lytic immune responses: A fractional order optimal control theoretical study. Results in Physics, 2021, 26, 104260.	2.0	40
152	Numerical Investigation of Mixed Convective Williamson Fluid Flow Over an Exponentially Stretching Permeable Curved Surface. Fluids, 2021, 6, 260.	0.8	24
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