

Ilyas Khan

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3380531/ilyas-khan-publications-by-year.pdf>

Version: 2024-04-17

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

686

papers

11,041

citations

48

h-index

64

g-index

744

ext. papers

14,246

ext. citations

3.1

avg. IF

7.63

L-index

#	Paper	IF	Citations
686	A novel analysis of heat transfer in the nanofluid composed by nanodimaond and silver nanomaterials: numerical investigation.. <i>Scientific Reports</i> , 2022 , 12, 1284	4.9	2
685	A novel approach to analyze pion femtoscopy for particle emitting sources with BoseEinstein condensation. <i>Results in Physics</i> , 2022 , 32, 105075	3.7	0
684	Thermal Transport in Radiative Nanofluids by Considering the Influence of Convective Heat Condition. <i>Journal of Nanomaterials</i> , 2022 , 2022, 1-11	3.2	4
683	Fractional model of MHD blood flow in a cylindrical tube containing magnetic particles.. <i>Scientific Reports</i> , 2022 , 12, 418	4.9	1
682	Mathematical Simulation of Casson MHD Flow through a Permeable Moving Wedge with Nonlinear Chemical Reaction and Nonlinear Thermal Radiation.. <i>Materials</i> , 2022 , 15,	3.5	7
681	Impact of freezing temperature (T) of AlO and molecular diameter (HO) on thermal enhancement in magnetized and radiative nanofluid with mixed convection.. <i>Scientific Reports</i> , 2022 , 12, 703	4.9	3
680	Study of Third-Grade Fluid under the Fuzzy Environment with Couette and Poiseuille Flows. <i>Mathematical Problems in Engineering</i> , 2022 , 2022, 1-19	1.1	2
679	A remarkable chaotic analysis for coherence fraction order with its applications. <i>Chaos, Solitons and Fractals</i> , 2022 , 154, 111601	9.3	0
678	Stratified Flow of Micropolar Nanofluid over Riga Plate: Numerical Analysis. <i>Energies</i> , 2022 , 15, 316	3.1	6
677	Numerical analysis of laminar flow and heat transfer through a rectangular channel containing perforated plate at different angles. <i>Energy Reports</i> , 2022 , 8, 539-550	4.6	5
676	Non-standard computational analysis of the stochastic COVID-19 pandemic model: An application of computational biology. <i>AEJ - Alexandria Engineering Journal</i> , 2022 , 61, 619-630	6.1	6
675	Design of Computer Methods for the Solution of Cervical Cancer Epidemic Model. <i>Computers, Materials and Continua</i> , 2022 , 70, 1649-1666	3.9	2
674	Two new generalized iteration methods for solving absolute value equations using \$ M \$-matrix. <i>AIMS Mathematics</i> , 2022 , 7, 8176-8187	2.2	6
673	Types of Lightweight Cryptographies in Current Developments for Resource Constrained Machine Type Communication Devices: Challenges and Opportunities. <i>IEEE Access</i> , 2022 , 1-1	3.5	
672	Analysis of positive measure reducibility for quasi-periodic linear systems under Brjuno-RBsmann condition. <i>AIMS Mathematics</i> , 2022 , 7, 9373-9388	2.2	1
671	Chemically reactive Maxwell nanoliquid flow by a stretching surface in the frames of Newtonian heating, nonlinear convection and radiative flux: Nanopolymer flow processing simulation. <i>Nanotechnology Reviews</i> , 2022 , 11, 1291-1306	6.3	2
670	Computational Analysis of Nanoparticle Shapes on Hybrid Nanofluid Flow Due to Flat Horizontal Plate via Solar Collector.. <i>Nanomaterials</i> , 2022 , 12,	5.4	3

669	Numerical computation of 3D Brownian motion of thin film nanofluid flow of convective heat transfer over a stretchable rotating surface.. <i>Scientific Reports</i> , 2022 , 12, 2708	4.9	7
668	Effects of MHD and Porosity on Jeffrey Fluid Flow with Wall Transpiration. <i>Mathematical Problems in Engineering</i> , 2022 , 2022, 1-9	1.1	
667	Mixed Convection Squeezing Flow of Nanofluids in a Rotating Channel with Thermal Radiation. <i>Journal of Mathematics</i> , 2022 , 2022, 1-15	1.2	0
666	Magnetization for Burgers's Fluid Subject to Convective Heating and Heterogeneous-Homogeneous Reactions. <i>Mathematical Problems in Engineering</i> , 2022 , 2022, 1-15	1.1	3
665	Time fractional analysis of channel flow of couple stress Casson fluid using Fick's and Fourier's Laws.. <i>Scientific Reports</i> , 2022 , 12, 2956	4.9	1
664	Lie Group Analysis of Double Diffusive MHD Tangent Hyperbolic Fluid Flow over a Stretching Sheet. <i>Mathematical Problems in Engineering</i> , 2022 , 2022, 1-14	1.1	1
663	Certain Families of Analytic Functions Characterized by p, q -Difference Operator. <i>Journal of Mathematics</i> , 2022 , 2022, 1-9	1.2	
662	Numerical assessment of heat and mass transportation in [Formula: see text] nanofluids influenced by Soret and Dufour effects.. <i>Scientific Reports</i> , 2022 , 12, 3987	4.9	2
661	Thermal decomposition of propylene oxide with different activation energy and Reynolds number in a multicomponent tubular reactor containing a cooling jacket.. <i>Scientific Reports</i> , 2022 , 12, 4169	4.9	0
660	Thermal transport investigation and shear drag at solid-liquid interface of modified permeable radiative-SRID subject to Darcy-Forchheimer fluid flow composed by Ehanomaterial.. <i>Scientific Reports</i> , 2022 , 12, 3564	4.9	2
659	Optical solitons of NLS-type differential equations by extended direct algebraic method. <i>International Journal of Geometric Methods in Modern Physics</i> , 2022 , 19,	1.5	1
658	Higher-Order Accurate and Conservative Hybrid Numerical Scheme for Relativistic Time-Fractional Vlasov-Maxwell System. <i>Journal of Function Spaces</i> , 2022 , 2022, 1-12	0.8	
657	Crank Nicholson scheme to examine the fractional-order unsteady nanofluid flow of free convection of viscous fluids.. <i>PLoS ONE</i> , 2022 , 17, e0261860	3.7	1
656	Heat Transfer Analysis of Nanostructured Material Flow over an Exponentially Stretching Surface: A Comparative Study.. <i>Nanomaterials</i> , 2022 , 12,	5.4	6
655	Global analysis of a time fractional order spatio-temporal SIR model.. <i>Scientific Reports</i> , 2022 , 12, 5751	4.9	1
654	Novel Algorithms for Solving a System of Absolute Value Variational Inequalities. <i>Journal of Function Spaces</i> , 2022 , 2022, 1-10	0.8	
653	Atangana-Baleanu Caputo fractional-order modeling of plasma particles with circular polarization of LASER light: An extended version of Vlasov-Maxwell system. <i>AEJ - Alexandria Engineering Journal</i> , 2022 , 61, 8641-8652	6.1	0
652	DYNAMICS OF COOPERATIVE REACTIONS BASED ON CHEMICAL KINETICS WITH REACTION SPEED: A COMPARATIVE ANALYSIS WITH SINGULAR AND NONSINGULAR KERNELS. <i>Fractals</i> , 2022 , 30,	3.2	4

651	Triple Solutions with Stability Analysis of MHD Mixed Convection Flow of Micropolar Nanofluid with Radiation Effect. <i>Journal of Nanomaterials</i> , 2022 , 2022, 1-21	3.2	
650	Fuzzy Analysis for Thin-Film Flow of a Third-Grade Fluid Down an Inclined Plane. <i>Mathematical Problems in Engineering</i> , 2022 , 2022, 1-16	1.1	1
649	The Fractional Hilbert Transform on the Real Line. <i>Mathematical Problems in Engineering</i> , 2022 , 2022, 1-11	1.1	0
648	Scientific investigation of a fractional model based on hybrid nanofluids with heat generation and porous medium: applications in the drilling process.. <i>Scientific Reports</i> , 2022 , 12, 6524	4.9	0
647	Influence of chemical reaction on MHD Newtonian fluid flow on vertical plate in porous medium in conjunction with thermal radiation. <i>Open Physics</i> , 2022 , 20, 302-312	1.3	
646	Lie analysis, conserved vectors, nonlinear self-adjoint classification and exact solutions of generalized $(N+1)$ -dimensional nonlinear Boussinesq equation. <i>AIMS Mathematics</i> , 2022 , 7, 13139-13168	2.2	
645	Conversion of Fructose to 5-Hydroxymethyl Furfural: Mathematical Solution with Experimental Validation. <i>Journal of Mathematics</i> , 2022 , 2022, 1-8	1.2	0
644	General Solution for Unsteady MHD Natural Convection Flow with Arbitrary Motion of the Infinite Vertical Plate Embedded in Porous Medium. <i>Journal of Mathematics</i> , 2022 , 2022, 1-10	1.2	1
643	Analysis of Complex Networks via Some Novel Topological Indices. <i>Mathematical Problems in Engineering</i> , 2022 , 2022, 1-13	1.1	1
642	Solitary Wave Solutions of Conformable Time Fractional Equations Using Modified Simplest Equation Method. <i>Complexity</i> , 2022 , 2022, 1-9	1.6	1
641	Dynamic response and low voltage ride-through enhancement of brushless double-fed induction generator using Salp swarm optimization algorithm.. <i>PLoS ONE</i> , 2022 , 17, e0265611	3.7	2
640	The Effects of Magneto-Radiative Parameters on the Heat Transfer Mechanism in H ₂ O Composed by Cu-Al ₂ O ₃ Hybrid Nanomaterial: Numerical Investigation. <i>Mathematical Problems in Engineering</i> , 2022 , 2022, 1-10	1.1	1
639	Natural convection simulation of Prabhakar-like fractional Maxwell fluid flowing on inclined plane with generalized thermal flux. <i>Case Studies in Thermal Engineering</i> , 2022 , 102042	5.6	0
638	Treatment of COVID-19 Patients Using Some New Topological Indices. <i>Journal of Chemistry</i> , 2022 , 2022, 1-10	2.3	
637	Magneto-Exothermic Catalytic Chemical Reaction along a Curved Surface. <i>Mathematical Problems in Engineering</i> , 2022 , 2022, 1-10	1.1	0
636	Unsteady MHD Tangent Hyperbolic Nanofluid Past a Wedge Filled with Gyrotactic Micro-Organism. <i>Mathematical Problems in Engineering</i> , 2022 , 2022, 1-14	1.1	2
635	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. <i>Journal of Nanomaterials</i> , 2022 , 2022, 1-15	3.2	
634	Analytical Simulation of Heat and Mass Transmission in Casson Fluid Flow across a Stretching Surface. <i>Mathematical Problems in Engineering</i> , 2022 , 2022, 1-11	1.1	1

633	New Subclass of Analytic Function Related with Generalized Conic Domain Associated with q □ Differential Operator. <i>Journal of Mathematics</i> , 2022 , 2022, 1-11	1.2	1
632	Analysis of fuzzified boundary value problems for MHD Couette and Poiseuille flow.. <i>Scientific Reports</i> , 2022 , 12, 8368	4.9	1
631	Numerical investigation of heat transfer in the nanofluids under the impact of length and radius of carbon nanotubes. <i>Open Physics</i> , 2022 , 20, 416-430	1.3	
630	A time fractional model of Brinkman-type nanofluid with ramped wall temperature and concentration. <i>Advances in Mechanical Engineering</i> , 2022 , 14, 168781322210960	1.2	2
629	Heat-mass transfer of MHD second grade fluid flow with exponential heating, chemical reaction and porosity by using fractional Caputo-Fabrizio derivatives. <i>Case Studies in Thermal Engineering</i> , 2022 , 102104	5.6	1
628	The Velocity Slip Boundary Condition Effects on Non-Newtonian Ferrofluid over a Stretching Sheet. <i>Mathematical Problems in Engineering</i> , 2022 , 2022, 1-20	1.1	0
627	Modelling and Simulation of Fluid Flow through a Circular Cylinder with High Reynolds Number: A COMSOL Multiphysics Study. <i>Journal of Mathematics</i> , 2022 , 2022, 1-9	1.2	1
626	Analysis of Heat and Mass Transfer of Fractionalized MHD Second-Grade Fluid over Nonlinearly Moving Porous Plate. <i>Mathematical Problems in Engineering</i> , 2022 , 2022, 1-31	1.1	0
625	Urbanization Detection Using LiDAR-Based Remote Sensing Images of Azad Kashmir Using Novel 3D CNNs. <i>Journal of Sensors</i> , 2022 , 2022, 1-9	2	1
624	Convolutional Autoencoder-Based Deep Learning Approach for Aerosol Emission Detection Using LiDAR Dataset. <i>Journal of Sensors</i> , 2022 , 2022, 1-17	2	1
623	Intensification of thermal stratification on dissipative chemically heating fluid with cross-diffusion and magnetic field over a wedge. <i>Open Physics</i> , 2021 , 19, 877-888	1.3	0
622	Entropy generation and induced magnetic field in pseudoplastic nanofluid flow near a stagnant point. <i>Scientific Reports</i> , 2021 , 11, 23736	4.9	4
621	Influence of a Darcy-Forchheimer porous medium on the flow of a radiative magnetized rotating hybrid nanofluid over a shrinking surface.. <i>Scientific Reports</i> , 2021 , 11, 24257	4.9	3
620	An Analytical Study of Internal Heating and Chemical Reaction Effects on MHD Flow of Nanofluid with Convective Conditions. <i>Crystals</i> , 2021 , 11, 1523	2.3	5
619	Finite Element Analysis of Air Flow and Temperature Distribution on Surface of a Circular Obstacle with Resistance and Orientation of Screen. <i>Journal of Mathematics</i> , 2021 , 2021, 1-12	1.2	1
618	Numerical Study of Duffing Nonlinearity in the Quantum Dot Embedded Nanomechanical Resonator. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-8	1.1	0
617	The Dynamics of H ₂ O Suspended by Multiple Shaped Cu Nanoadditives in Rotating System. <i>Journal of Nanomaterials</i> , 2021 , 2021, 1-11	3.2	3
616	Dynamics of radiative Eyring-Powell MHD nanofluid containing gyrotactic microorganisms exposed to surface suction and viscosity variation. <i>Case Studies in Thermal Engineering</i> , 2021 , 28, 101659	5.6	1

615	Melting heat transfer of a magnetized water-based hybrid nanofluid flow past over a stretching/shrinking wedge. <i>Case Studies in Thermal Engineering</i> , 2021 , 30, 101674	5.6	4
614	Effect of Newtonian heating on two-phase fluctuating flow of dusty fluid: Poincaré-Birkhoff perturbation technique. <i>European Physical Journal Plus</i> , 2021 , 136, 1	3.1	
613	Dynamics of fractal-fractional model of a new chaotic system of integrated circuit with Mittag-Leffler kernel. <i>Chaos, Solitons and Fractals</i> , 2021 , 153, 111602	9.3	9
612	Theoretical Analysis of Activation Energy Effect on Prandtl-Eyring Nanoliquid Flow Subject to Melting Condition. <i>Journal of Non-Equilibrium Thermodynamics</i> , 2021 ,	3.8	10
611	An Improved Electroporator With Continuous Liquid Flow and Double-Exponential Waveform for Liquid Food Pasteurization. <i>IEEE Access</i> , 2021 , 1-1	3.5	1
610	Double-layer coating using MHD flow of third-grade fluid with Hall current and heat source/sink. <i>Open Physics</i> , 2021 , 19, 683-692	1.3	4
609	Fractional Model for the Flow of Casson Nanofluid using the Generalized Fourier's Law for Heat Transfer. <i>Springer Proceedings in Complexity</i> , 2021 , 761-769	0.3	
608	. <i>IEEE Access</i> , 2021 , 9, 139876-139887	3.5	3
607	Finite difference simulations for magnetically effected swirling flow of Newtonian liquid induced by porous disk with inclusion of thermophoretic particles diffusion. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 61, 4341-4341	6.1	8
606	Magnetohydrodynamic mass and heat transport over a stretching sheet in a rotating nanofluid with binary chemical reaction, non-fourier heat flux, and swimming microorganisms. <i>Case Studies in Thermal Engineering</i> , 2021 , 28, 101367	5.6	8
605	An Efficient Mathematical Approach for the Fraction Order Differentiation Based on Future Applications of Chaotic Parameter. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-11	1.1	1
604	Computational Analysis of Fluid Flow through a Sine-Curved Channel with High Reynolds Number. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-9	1.1	
603	A Levenberg-Marquardt backpropagation method for unsteady squeezing flow of heat and mass transfer behaviour between parallel plates. <i>Advances in Mechanical Engineering</i> , 2021 , 13, 168781402110408	1.2	3
602	A new analytical approach to study chaos fraction characterization by using intensity interferometry. <i>Chaos, Solitons and Fractals</i> , 2021 , 152, 111414	9.3	5
601	A Study of New Class of Star-Like Functions Associated by Symmetric p, q -Calculus. <i>Journal of Mathematics</i> , 2021 , 2021, 1-8	1.2	1
600	Three-Dimensional Rotating Flow of MHD Jeffrey Fluid Flow between Two Parallel Plates with Impact of Hall Current. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-9	1.1	6
599	Nanomaterials in convection flow of nanofluid in upright channel with gradients. <i>Journal of Materials Research and Technology</i> , 2021 , 11, 1411-1423	5.5	7
598	FRACTIONAL MAGNETOHYDRODYNAMIC FLOW OF A SECOND GRADE FLUID IN A POROUS MEDIUM WITH VARIABLE WALL VELOCITY AND NEWTONIAN HEATING. <i>Fractals</i> , 2021 , 29, 2150060	3.2	1

597	Insight into kerosene conveying CNTs and Fe ₃ O ₄ nanoparticles through a porous medium: significance of Coriolis force and entropy generation. <i>Physica Scripta</i> , 2021 , 96, 055705	2.6	21
596	Entropy Generation Incorporating Nanofluids under the Influence of Nonlinear Radiation with Mixed Convection. <i>Crystals</i> , 2021 , 11, 400	2.3	2
595	Solitary wave patterns and conservation laws of fourth-order nonlinear symmetric regularized long-wave equation arising in plasma. <i>Ain Shams Engineering Journal</i> , 2021 , 12, 3919-3919	4.4	2
594	Numerical study for epidemic model of hepatitis-B virus. <i>European Physical Journal Plus</i> , 2021 , 136, 1	3.1	3
593	Numerical Scrutinization of Darcy-Forchheimer Relation in Convective Magnetohydrodynamic Nanofluid Flow Bounded by Nonlinear Stretching Surface in the Perspective of Heat and Mass Transfer. <i>Micromachines</i> , 2021 , 12,	3.3	36
592	Impact of Nanofluid Flow over an Elongated Moving Surface with a Uniform Hydromagnetic Field and Nonlinear Heat Reservoir. <i>Complexity</i> , 2021 , 2021, 1-9	1.6	5
591	Thermal transport investigation in AA7072 and AA7075 aluminum alloys nanomaterials based radiative nanofluids by considering the multiple physical flow conditions. <i>Scientific Reports</i> , 2021 , 11, 9837	4.9	6
590	Thermally Enhanced Darcy-Forchheimer Casson-Water/Glycerine Rotating Nanofluid Flow with Uniform Magnetic Field. <i>Micromachines</i> , 2021 , 12,	3.3	25
589	Lie Symmetry Analysis and Dynamics of Exact Solutions of the (2+1)-Dimensional Nonlinear Sharma-Masso-Diver Equation. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-12	1.1	1
588	Algorithms for a Generalized Multipolar Neutrosophic Soft Set with Information Measures to Solve Medical Diagnoses and Decision-Making Problems. <i>Journal of Mathematics</i> , 2021 , 2021, 1-30	1.2	3
587	Non-coaxial rotation flow of MHD Casson nanofluid carbon nanotubes past a moving disk with porosity effect. <i>Ain Shams Engineering Journal</i> , 2021 , 12, 4099-4099	4.4	5
586	Computations of mixed convection slip flow around the surface of a sphere: Effects of thermophoretic transportation and viscous dissipation. <i>Heat Transfer</i> , 2021 , 50, 7349	3.1	7
585	The Effect of Wall Shear Stress on Two Phase Fluctuating Flow of Dusty Fluids by Using Light Hill Technique. <i>Water (Switzerland)</i> , 2021 , 13, 1587	3	3
584	A novel study on hybrid model of radiative Cu ₃ Fe ₃ O ₄ /water nanofluid over a cone with PHF/PWT. <i>European Physical Journal: Special Topics</i> , 2021 , 230, 1257-1271	2.3	4
583	Thermal Radiation Effects on Unsteady Stagnation Point Nanofluid Flow in View of Convective Boundary Conditions. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-13	1.1	2
582	Numerical simulation of electrically conducting and thermally radiative nanofluid flow in view of elongated slippery plates. <i>AIP Advances</i> , 2021 , 11, 065019	1.5	1
581	Magnetic dipole and thermal radiation effects on hybrid base micropolar CNTs flow over a stretching sheet: Finite element method approach. <i>Results in Physics</i> , 2021 , 25, 104145	3.7	15
580	Quasilinearization numerical technique for dual slip MHD Newtonian fluid flow with entropy generation in thermally dissipating flow above a thin needle. <i>Scientific Reports</i> , 2021 , 11, 15130	4.9	0

579	The Numerical Investigation of the Heat Transport in the Nanofluids under the Impacts of Magnetic Field: Applications in Industrial Zone. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-11	1.1	1
578	Mathematical analysis and numerical investigation of advection-reaction-diffusion computer virus model. <i>Results in Physics</i> , 2021 , 26, 104294	3.7	4
577	An Analytical Approach to Study the Blood Flow over a Nonlinear Tapering Stenosed Artery in Flow of Carreau Fluid Model. <i>Complexity</i> , 2021 , 2021, 1-11	1.6	5
576	Impact of Hall Current and Nonlinear Thermal Radiation on Jeffrey Nanofluid Flow in Rotating Frame. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-21	1.1	1
575	Magnetohydrodynamic flow of CuFe ₃ O ₄ /H ₂ O hybrid nanofluid with effect of viscous dissipation: dual similarity solutions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 915-927	4.1	32
574	Performance enhancement of regenerative gas turbine: air bottoming combined cycle using bypass valve and heat exchanger—energy and exergy analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 144, 821-834	4.1	2
573	Numerical analysis of nonlinear mixed convective MHD chemically reacting flow of Prandtl-Eyring nanofluids in the presence of activation energy and Joule heating. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 145, 495-505	4.1	21
572	Thermodynamic potential of a high-concentration hybrid photovoltaic/thermal plant for co-production of steam and electricity. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 1389-1398	4.1	22
571	Thermal analysis of a binary base fluid in pool boiling system of glycol/water alumina nano-suspension. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 2453-2462	4.1	33
570	An exact analysis of radiative heat transfer and unsteady MHD convective flow of a second-grade fluid with ramped wall motion and temperature. <i>Heat Transfer</i> , 2021 , 50, 196-219	3.1	8
569	Magnetohydrodynamic Flow of Casson Nanofluid in a Channel Filled with Thermophoretic Diffusion Effect and Multiple Slips. <i>Lecture Notes in Mechanical Engineering</i> , 2021 , 232-246	0.4	1
568	Elastic and Optoelectronic Properties of Cs ₂ NaMCl ₆ (M = In, Tl, Sb, Bi). <i>Journal of Electronic Materials</i> , 2021 , 50, 456-466	1.9	6
567	Computable generalization of fractional kinetic equation with special functions. <i>Journal of King Saud University - Science</i> , 2021 , 33, 101221	3.6	6
566	A generalized model for quantitative analysis of sediments loss: A Caputo time fractional model. <i>Journal of King Saud University - Science</i> , 2021 , 33, 101179	3.6	9
565	Boiling flow of graphene nanoplatelets nano-suspension on a small copper disk. <i>Powder Technology</i> , 2021 , 377, 10-19	5.2	18
564	Heat transfer in magnetohydrodynamic free convection flow of generalized ferrofluid with magnetite nanoparticles. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 3633-3642	4.1	20
563	Temporal Stability Analysis of Magnetized Hybrid Nanofluid Propagating Through an Unsteady Shrinking Sheet: Partial Slip Conditions. <i>Computers, Materials and Continua</i> , 2021 , 66, 1963-1975	3.9	7
562	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 Element—Analysis. <i>IEEE Access</i> , 2021 , 9, 74719-74728	3.5	5

561	Analysis of the Physical Behavior of the Periodic Mixed-Convection Flow around a Nonconducting Horizontal Circular Cylinder Embedded in a Porous Medium. <i>Journal of Mathematics</i> , 2021 , 2021, 1-7	1.2	5
560	Analysis and Dynamics of Fractional Order Mathematical Model of COVID-19 in Nigeria Using Atangana-Baleanu Operator. <i>Computers, Materials and Continua</i> , 2021 , 66, 1823-1848	3.9	31
559	Hydromagnetic Flow of Prandtl Nanofluid Past Cylindrical Surface with Chemical Reaction and Convective Heat Transfer Aspects. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-16	1.1	5
558	Comprehensive investigation of reduced graphene oxide (rGO) in the base fluid: thermal analysis and ANN modeling. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 144, 2605	4.1	4
557	Finite Element Analysis of Fluid Flow through the Screen Embedded between Parallel Plates with High Reynolds Numbers. <i>Journal of Function Spaces</i> , 2021 , 2021, 1-9	0.8	1
556	Convection heat mass transfer and MHD flow over a vertical plate with chemical reaction, arbitrary shear stress and exponential heating. <i>Scientific Reports</i> , 2021 , 11, 4265	4.9	9
555	Shape effect on MHD flow of time fractional Ferro-Brinkman type nanofluid with ramped heating. <i>Scientific Reports</i> , 2021 , 11, 3725	4.9	18
554	The effect of potassium insertion on optoelectronic properties of cadmium chalcogenides. <i>Materials Science in Semiconductor Processing</i> , 2021 , 122, 105466	4.3	1
553	Estimates for Commutators of Bilinear Fractional p -Adic Hardy Operator on Herz-Type Spaces. <i>Journal of Function Spaces</i> , 2021 , 2021, 1-7	0.8	5
552	A comparative epidemiological stability analysis of predictor corrector type non-standard finite difference scheme for the transmissibility of measles. <i>Results in Physics</i> , 2021 , 21, 103756	3.7	8
551	Accelerated Non-Coaxial Rotating Flow of MHD Viscous Fluid with Heat and Mass Transfer. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1051, 012044	0.4	1
550	Darcy-Forchheimer porous medium effect on rotating hybrid nanofluid on a linear shrinking/stretching sheet. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2021 , ahead-of-print,	4.5	4
549	SARS-CoV-2 infection with lytic and non-lytic immune responses: A fractional order optimal control theoretical study. <i>Results in Physics</i> , 2021 , 26, 104260	3.7	16
548	Numerical Investigation of Mixed Convective Williamson Fluid Flow Over an Exponentially Stretching Permeable Curved Surface. <i>Fluids</i> , 2021 , 6, 260	1.6	11
547	Variationally Improved B�zier Surfaces with Shifted Knots. <i>Advances in Mathematical Physics</i> , 2021 , 2021, 1-14	1.1	1
546	The Effects of Newtonian heating and velocity ratio on entropy generationc in thermally dissipating flow above a thin needle. <i>Case Studies in Thermal Engineering</i> , 2021 , 26, 101107	5.6	1
545	Thermal improvement in magnetized nanofluid for multiple shapes nanoparticles over radiative rotating disk. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 61, 2318-2318	6.1	9
544	Heat and mass transfer in MHD Williamson nanofluid flow over an exponentially porous stretching surface. <i>Case Studies in Thermal Engineering</i> , 2021 , 26, 100975	5.6	49

543	MHD flow of generalized second grade fluid with modified Darcy's law and exponential heating using fractional Caputo-Fabrizio derivatives. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 60, 3845-3854	6.1	11
542	Simulation of liquid fuel combustion start-up dynamical behavior. <i>Case Studies in Thermal Engineering</i> , 2021 , 26, 101025	5.6	1
541	Numerical thermal study on performance of hybrid nano-Williamson fluid with memory effects using novel heat flux model. <i>Case Studies in Thermal Engineering</i> , 2021 , 26, 101070	5.6	6
540	Caputo Time Fractional Model Based on Generalized Fourier's and Fick's Laws for Jeffrey Nanofluid: Applications in Automobiles. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-12	1.1	1
539	Hermite-Hadamard-Type Inequalities for the Generalized Geometrically Strongly Modified h-Convex Functions. <i>Journal of Mathematics</i> , 2021 , 2021, 1-14	1.2	
538	Melting phenomenon of non-linear radiative generalized second grade nanoliquid. <i>Case Studies in Thermal Engineering</i> , 2021 , 26, 101011	5.6	9
537	Fractional model for MHD flow of Casson fluid with cadmium telluride nanoparticles using the generalized Fourier's law. <i>Scientific Reports</i> , 2021 , 11, 16117	4.9	6
536	Optimal design of Fractional order PID controller based Automatic voltage regulator system using gradient-based optimization algorithm. <i>Journal of King Saud University, Engineering Sciences</i> , 2021 ,	2.2	10
535	Thermal effect on bioconvection flow of Sutterby nanofluid between two rotating disks with motile microorganisms. <i>Case Studies in Thermal Engineering</i> , 2021 , 26, 101136	5.6	14
534	Influence of radially magnetic field properties in a peristaltic flow with internal heat generation: Numerical treatment. <i>Case Studies in Thermal Engineering</i> , 2021 , 26, 101019	5.6	15
533	MHD Boundary Layer Flow over a Stretching Sheet: A New Stochastic Method. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-26	1.1	5
532	Mathematical model of COVID-19 in Nigeria with optimal control. <i>Results in Physics</i> , 2021 , 28, 104598	3.7	12
531	Transient Flow of Jeffrey Fluid over a Permeable Wall. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-9	1.1	3
530	Exploration of ethnomedicinal plants and their practices in human and livestock healthcare in Haripur District, Khyber Pakhtunkhwa, Pakistan. <i>Journal of Ethnobiology and Ethnomedicine</i> , 2021 , 17, 55	3.9	3
529	Maxwell Nanofluid Flow over an Infinite Vertical Plate with Ramped and Isothermal Wall Temperature and Concentration. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-19	1.1	4
528	Synoptic view on P ore beneficiation techniques. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 61, 3069-3069	1.1	4
527	Supervised neural networks learning algorithm for three dimensional hybrid nanofluid flow with radiative heat and mass fluxes. <i>Ain Shams Engineering Journal</i> , 2021 , 13, 101573-101573	4.4	8
526	Intelligent computing Levenberg Marquardt approach for entropy optimized single-phase comparative study of second grade nanofluidic system. <i>International Communications in Heat and Mass Transfer</i> , 2021 , 127, 105544	5.8	25

525	Analytical treatment of radiative Casson fluid over an isothermal inclined Riga surface with aspects of chemically reactive species. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 60, 4243-4253	6.1	16
524	Insight into the dynamics of transient blood conveying gold nanoparticles when entropy generation and Lorentz force are significant. <i>International Communications in Heat and Mass Transfer</i> , 2021 , 127, 105415	5.8	8
523	A novel feature engineered-CatBoost-based supervised machine learning framework for electricity theft detection. <i>Energy Reports</i> , 2021 , 7, 4425-4436	4.6	12
522	Non-singular fractional approach for natural convection nanofluid with Damped thermal analysis and radiation. <i>Case Studies in Thermal Engineering</i> , 2021 , 28, 101373	5.6	6
521	Intensification in heat transfer due to hybrid nanoparticles embedded in sodium alginate. <i>Case Studies in Thermal Engineering</i> , 2021 , 28, 101440	5.6	0
520	Some newly explored exact solitary wave solutions to nonlinear inhomogeneous Murnaghan rod equation of fractional order. <i>Journal of Taibah University for Science</i> , 2021 , 15, 97-110	3	6
519	Couette flow of viscoelastic dusty fluid in a rotating frame along with the heat transfer. <i>Scientific Reports</i> , 2021 , 11, 506	4.9	5
518	Applied Mathematical Modelling and Heat Transport Investigation in Hybrid Nanofluids under the Impact of Thermal Radiation: Numerical Analysis. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-10	1.1	0
517	An Accurate Predictor-Corrector-Type Nonstandard Finite Difference Scheme for an SEIR Epidemic Model. <i>Journal of Mathematics</i> , 2020 , 2020, 1-18	1.2	6
516	Finite Element Least Square Technique for Newtonian Fluid Flow through a Semicircular Cylinder of Recirculating Region via COMSOL Multiphysics. <i>Journal of Mathematics</i> , 2020 , 2020, 1-11	1.2	9
515	Effects of MHD and porosity on entropy generation in two incompressible Newtonian fluids over a thin needle in a parallel free stream. <i>Scientific Reports</i> , 2020 , 10, 22305	4.9	1
514	Boiling heat transfer characteristics of graphene oxide nanoplatelets nano-suspensions of water-perfluorohexane (C6F14) and water-n-pentane. <i>AEJ - Alexandria Engineering Journal</i> , 2020 , 59, 4511-4521	6.1	33
513	An advanced version of a conformable mathematical model of Ebola virus disease in Africa. <i>AEJ - Alexandria Engineering Journal</i> , 2020 , 59, 3261-3268	6.1	9
512	Finite element method visualization about heat transfer analysis of Newtonian material in triangular cavity with square cylinder. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 4904-4918	5.5	17
511	Heat Transfer Analysis of Unsteady Natural Convection Flow of Oldroyd-B Model in the Presence of Newtonian Heating and Radiation Heat Flux. <i>IEEE Access</i> , 2020 , 1-1	3.5	0
510	Nonlinear robust integral backstepping based MPPT control for stand-alone photovoltaic system. <i>PLoS ONE</i> , 2020 , 15, e0231749	3.7	6
509	USE OF ATANGANA-BALEANU FRACTIONAL DERIVATIVE IN HELICAL FLOW OF A CIRCULAR PIPE. <i>Fractals</i> , 2020 , 28, 2040049	3.2	7
508	MATHEMATICAL AND STATISTICAL ANALYSIS OF RL AND RC FRACTIONAL-ORDER CIRCUITS. <i>Fractals</i> , 2020 , 28, 2040030	3.2	4

507	A Novel Investigation and Hidden Effects of MHD and Thermal Radiations in Viscous Dissipative Nanofluid Flow Models. <i>Frontiers in Physics</i> , 2020 , 8,	3.9	3
506	Impacts of Freezing Temperature Based Thermal Conductivity on the Heat Transfer Gradient in Nanofluids: Applications for a Curved Riga Surface. <i>Molecules</i> , 2020 , 25,	4.8	6
505	Numerical simulation for bioconvection effects on MHD flow of Oldroyd-B nanofluids in a rotating frame stretching horizontally. <i>Mathematics and Computers in Simulation</i> , 2020 , 178, 166-182	3.3	19
504	Optical Solutions of Schrödinger Equation Using Extended Sinh-Gordon Equation Expansion Method. <i>Frontiers in Physics</i> , 2020 , 8,	3.9	3
503	THE ROLE OF FOX-H FUNCTION IN ANALYTIC AND FRACTIONAL MODELING OF HELICITY OF CYLINDER: FRACTIONAL GENERALIZED BURGER FLUID. <i>Fractals</i> , 2020 , 28, 2040050	3.2	4
502	Fourth-Order Difference Approximation for Time-Fractional Modified Sub-Diffusion Equation. <i>Symmetry</i> , 2020 , 12, 691	2.7	7
501	Natural convection flow of a second grade fluid in an infinite vertical cylinder. <i>Scientific Reports</i> , 2020 , 10, 8327	4.9	6
500	Effects of A-Site cation on the Physical Properties of Quaternary Perovskites AMn3V4O12 (A= Ca, Ce and Sm). <i>Materials Chemistry and Physics</i> , 2020 , 254, 123229	4.4	4
499	Modeling of Business Intelligence Systems Using the Potential Determinants and Theories with the Lens of Individual, Technological, Organizational, and Environmental Contexts-A Systematic Literature Review. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3208	2.6	11
498	Multiple Fractional Solutions for Magnetic Bio-Nanofluid Using Oldroyd-B Model in a Porous Medium with Ramped Wall Heating and Variable Velocity. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3886	2.6	18
497	Complex dynamics and control of a novel physical model using nonlocal fractional differential operator with singular kernel. <i>Journal of Advanced Research</i> , 2020 , 24, 463-474	13	14
496	Gain-Scheduled Observer-Based Finite-Time Control Algorithm for an Automated Closed-Loop Insulin Delivery System. <i>IEEE Access</i> , 2020 , 8, 103088-103099	3.5	3
495	MHD flow of a generalized Casson fluid with Newtonian heating: A fractional model with Mittag-Leffler memory. <i>AEJ - Alexandria Engineering Journal</i> , 2020 , 59, 3049-3059	6.1	24
494	Thermal Transport in Nonlinear Unsteady Colloidal Model by Considering the Carbon Nanomaterials Length and Radius. <i>Energies</i> , 2020 , 13, 2448	3.1	2
493	A Comprehensive Review on Theoretical Aspects of Nanofluids: Exact Solutions and Analysis. <i>Symmetry</i> , 2020 , 12, 725	2.7	7
492	Fractional Brinkman type fluid in channel under the effect of MHD with Caputo-Fabrizio fractional derivative. <i>AEJ - Alexandria Engineering Journal</i> , 2020 , 59, 2901-2910	6.1	12
491	Assessment of pseudo-plastic and dilatant materials flow in channel driven cavity: application of metallurgical processes. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 3829-3837	5.5	10
490	Jaya optimization algorithm for transient response and stability enhancement of a fractional-order PID based automatic voltage regulator system. <i>AEJ - Alexandria Engineering Journal</i> , 2020 , 59, 2429-2440	6.1	38

489	Analysis of Eyring-Bowell Fluid Flow Used as a Coating Material for Wire with Variable Viscosity Effect along with Thermal Radiation and Joule Heating. <i>Crystals</i> , 2020 , 10, 168	2.3	13
488	Theoretical Investigations of Quaternary Semiconductors CsInCdTe ₃ (Ln = La, Pr, Nd and Sm). <i>Journal of Electronic Materials</i> , 2020 , 49, 3357-3366	1.9	3
487	Numerical modeling and theoretical analysis of a nonlinear advection-reaction epidemic system. <i>Computer Methods and Programs in Biomedicine</i> , 2020 , 193, 105429	6.9	12
486	Dual Solutions and Stability Analysis of a Hybrid Nanofluid over a Stretching/Shrinking Sheet Executing MHD Flow. <i>Symmetry</i> , 2020 , 12, 276	2.7	40
485	Dual Solutions and Stability Analysis of Magnetized Hybrid Nanofluid with Joule Heating and Multiple Slip Conditions. <i>Processes</i> , 2020 , 8, 332	2.9	23
484	Effects of Stefan Blowing and Slip Conditions on Unsteady MHD Casson Nanofluid Flow Over an Unsteady Shrinking Sheet: Dual Solutions. <i>Symmetry</i> , 2020 , 12, 487	2.7	33
483	A Time Fractional Model With Non-Singular Kernel the Generalized Couette Flow of Couple Stress Nanofluid. <i>IEEE Access</i> , 2020 , 8, 77378-77395	3.5	10
482	Analytical Solution of UCM Viscoelastic Liquid with Slip Condition and Heat Flux over Stretching Sheet: The Galerkin Approach. <i>Mathematical Problems in Engineering</i> , 2020 , 2020, 1-7	1.1	5
481	Mathematical Analysis of Entropy Generation in the Flow of Viscoelastic Nanofluid through an Annular Region of Two Asymmetric Annuli Having Flexible Surfaces. <i>Coatings</i> , 2020 , 10, 213	2.9	23
480	Structure preserving algorithms for mathematical model of auto-catalytic glycolysis chemical reaction and numerical simulations. <i>European Physical Journal Plus</i> , 2020 , 135, 1	3.1	4
479	Thermal Transport Investigation in Magneto-Radiative GO-MoS/HO-CHO Hybrid Nanofluid Subject to Cattaneo-Christov Model. <i>Molecules</i> , 2020 , 25,	4.8	12
478	Darcy-Forchheimer relation in Casson type MHD nanofluid flow over non-linear stretching surface. <i>Propulsion and Power Research</i> , 2020 , 9, 159-168	3.6	38
477	Investigation of Thermal Transport in Multi-Shaped Cu Nanomaterial-Based Nanofluids. <i>Materials</i> , 2020 , 13,	3.5	9
476	Computational Study of the Coupled Mechanism of Thermophoretic Transportation and Mixed Convection Flow around the Surface of a Sphere. <i>Molecules</i> , 2020 , 25,	4.8	12
475	Thermal Radiations and Mass Transfer Analysis of the Three-Dimensional Magnetite Carreau Fluid Flow Past a Horizontal Surface of Paraboloid of Revolution. <i>Processes</i> , 2020 , 8, 656	2.9	10
474	Mixed Convection in MHD Water-Based Molybdenum Disulfide-Graphene Oxide Hybrid Nanofluid through an Upright Cylinder with Shape Factor. <i>Water (Switzerland)</i> , 2020 , 12, 1723	3	16
473	Influence of chemical reactions and mechanism of peristalsis for the thermal distribution obeying slip constraints: Applications to conductive transportation. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 6533-6543	5.5	8
472	Concrete Based Jeffrey Nanofluid Containing Zinc Oxide Nanostructures: Application in Cement Industry. <i>Symmetry</i> , 2020 , 12, 1037	2.7	6

471	Impact of Magnetohydrodynamics on Stagnation Point Slip Flow due to Nonlinearly Propagating Sheet with Nonuniform Thermal Reservoir. <i>Mathematical Problems in Engineering</i> , 2020 , 2020, 1-10	1.1	2
470	Lie Symmetry Analysis, Explicit Solutions and Conservation Laws of a Spatially Two-Dimensional Burgers-Buxley Equation. <i>Symmetry</i> , 2020 , 12, 170	2.7	19
469	The Implicit Keller Box Scheme for Combined Heat and Mass Transfer of Brinkman-Type Micropolar Nanofluid with Brownian Motion and Thermophoretic Effect Over an Inclined Surface. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 280	2.6	11
468	Enhanced Heat Transfer in Moderately Ionized Liquid Due to Hybrid MoS ₂ /SiO ₂ Nanofluids Exposed by Nonlinear Radiation: Stability Analysis. <i>Crystals</i> , 2020 , 10, 142	2.3	19
467	Heat transfer exaggeration and entropy analysis in magneto-hybrid nanofluid flow over a vertical cone: a numerical study. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 141, 2001-2017	4.1	31
466	Comparative investigation on MHD nonlinear radiative flow through a moving thin needle comprising two hybridized AA7075 and AA7072 alloys nanomaterials through binary chemical reaction with activation energy. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 3817-3828	5.5	20
465	CFD analysis for characterization of non-linear power law material in a channel driven cavity with a square cylinder by measuring variation in drag and lift forces. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 3838-3846	5.5	12
464	Impact of Nonlinear Thermal Radiation on the Time-Dependent Flow of Non-Newtonian Nanofluid over a Permeable Shrinking Surface. <i>Symmetry</i> , 2020 , 12, 195	2.7	2
463	Influence of Single- and Multi-Wall Carbon Nanotubes on Magnetohydrodynamic Stagnation Point Nanofluid Flow over Variable Thicker Surface with Concave and Convex Effects. <i>Mathematics</i> , 2020 , 8, 104	2.3	41
462	Numerical Analysis of the Susceptible Exposed Infected Quarantined and Vaccinated (SEIQV) Reaction-Diffusion Epidemic Model. <i>Frontiers in Physics</i> , 2020 , 7,	3.9	8
461	Stability Analysis and Dual Solutions of Micropolar Nanofluid over the Inclined Stretching/Shrinking Surface with Convective Boundary Condition. <i>Symmetry</i> , 2020 , 12, 74	2.7	25
460	Magnetohydrodynamic (MHD) Flow of Micropolar Fluid with Effects of Viscous Dissipation and Joule Heating Over an Exponential Shrinking Sheet: Triple Solutions and Stability Analysis. <i>Symmetry</i> , 2020 , 12, 142	2.7	28
459	Maximum Power Extraction Strategy for Variable Speed Wind Turbine System via Neuro-Adaptive Generalized Global Sliding Mode Controller. <i>IEEE Access</i> , 2020 , 8, 128536-128547	3.5	21
458	On the Cattaneo-Christov Heat Flux Model and OHAM Analysis for Three Different Types of Nanofluids. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 886	2.6	25
457	A numerical efficient splitting method for the solution of two dimensional susceptible infected recovered epidemic model of whooping cough dynamics: Applications in bio-medical engineering. <i>Computer Methods and Programs in Biomedicine</i> , 2020 , 190, 105350	6.9	8
456	Heat and Mass Transfer in Hydromagnetic Second-Grade Fluid Past a Porous Inclined Cylinder under the Effects of Thermal Dissipation, Diffusion and Radiative Heat Flux. <i>Energies</i> , 2020 , 13, 278	3.1	10
455	Entropy Generation and Consequences of MHD in Darcy-Borchheimer Nanofluid Flow Bounded by Non-Linearly Stretching Surface. <i>Symmetry</i> , 2020 , 12, 652	2.7	50
454	Numerical Simulation of Drag Reduction on a Square Rod Detached with Two Control Rods at Various Gap Spacing via Lattice Boltzmann Method. <i>Symmetry</i> , 2020 , 12, 475	2.7	4

453	Effects of Ni Substitution on the Electronic Structure and Magnetic Properties of Perovskite SrFeO ₃ . <i>Journal of Electronic Materials</i> , 2020 , 49, 3780-3790	1.9	7
452	Heat Transfer Enhancement in Unsteady MHD Natural Convective Flow of CNTs Oldroyd-B Nanofluid under Ramped Wall Velocity and Ramped Wall Temperature. <i>Entropy</i> , 2020 , 22,	2.8	8
451	A Novel Hybrid Model for CuAl ₂ O ₃ /H ₂ O Nanofluid Flow and Heat Transfer in Convergent/Divergent Channels. <i>Energies</i> , 2020 , 13, 1686	3.1	10
450	Nanofluid Thermal Transport between Parallel Plates Suspended by Micro-Cantilever Sensor by Incorporating the Effective Prandtl Model: Applications to Biological and Medical Sciences. <i>Molecules</i> , 2020 , 25,	4.8	9
449	Time-Dependent MHD Flow of Non-Newtonian Generalized Burgers' Fluid (GBF) Over a Suddenly Moved Plate With Generalized Darcy's Law. <i>Frontiers in Physics</i> , 2020 , 7,	3.9	3
448	Shape-Preservation of the Four-Point Ternary Interpolating Non-stationary Subdivision Scheme. <i>Frontiers in Physics</i> , 2020 , 7,	3.9	8
447	Radiative Colloidal Investigation for Thermal Transport by Incorporating the Impacts of Nanomaterial and Molecular Diameters (d, d): Applications in Multiple Engineering Systems. <i>Molecules</i> , 2020 , 25,	4.8	6
446	Symmetric MHD Channel Flow of Nonlocal Fractional Model of BTF Containing Hybrid Nanoparticles. <i>Symmetry</i> , 2020 , 12, 663	2.7	17
445	Triple solutions of micropolar nanofluid in the presence of radiation over an exponentially preamble shrinking surface: Convective boundary condition. <i>Heat Transfer</i> , 2020 , 49, 3075-3093	3.1	5
444	Generalization of the Convective Flow of Brinkman-Type Fluid Using Fourier's and Fick's Laws: Exact Solutions and Entropy Generation. <i>Mathematical Problems in Engineering</i> , 2020 , 2020, 1-13	1.1	3
443	Analytical approach for fractional extended Fisher-Kolmogorov equation with Mittag-Leffler kernel. <i>Advances in Difference Equations</i> , 2020 , 2020,	3.6	19
442	Optical solitons of fractional complex Ginzburg-Landau equation with conformable, beta, and M-truncated derivatives: a comparative study. <i>Advances in Difference Equations</i> , 2020 , 2020,	3.6	22
441	An efficient computational scheme for nonlinear time fractional systems of partial differential equations arising in physical sciences. <i>Advances in Difference Equations</i> , 2020 , 2020,	3.6	29
440	Towards detection of brain injury using multimodal non-invasive neuromonitoring in adults undergoing extracorporeal membrane oxygenation. <i>Biomedical Optics Express</i> , 2020 , 11, 6551-6569	3.5	4
439	Unsteady nano-bioconvective channel flow with effect of nth order chemical reaction. <i>Open Physics</i> , 2020 , 18, 1011-1024	1.3	4
438	Influence of interfacial electrokinetic on MHD radiative nanofluid flow in a permeable microchannel with Brownian motion and thermophoresis effects. <i>Open Physics</i> , 2020 , 18, 726-737	1.3	4
437	Heat and mass transport investigation in radiative and chemically reacting fluid over a differentially heated surface and internal heating. <i>Open Physics</i> , 2020 , 18, 842-852	1.3	6
436	MHD squeezed Darcy-Forchheimer nanofluid flow between two h distance apart horizontal plates. <i>Open Physics</i> , 2020 , 18, 1100-1107	1.3	16

435	Heat transfer analysis in magnetohydrodynamic thermal nanofluid using Keller-box method. <i>Thermal Science</i> , 2020 , 24, 1243-1250	1.2	0
434	Applications of Fractional Derivatives to Heat Transfer in Channel Flow of Nanofluids 2020 , 103-117		
433	Standard routine techniques of modeling of tick-borne encephalitis. <i>Open Physics</i> , 2020 , 18, 820-828	1.3	
432	Micropolar mixed convective flow with Cattaneo-Christov heat flux: Non-fourier heat conduction analysis. <i>Thermal Science</i> , 2020 , 24, 1345-1356	1.2	1
431	Modeling and analysis of the impact of exothermic catalytic chemical reaction and viscous dissipation on natural convection flow driven along a curved surface. <i>Thermal Science</i> , 2020 , 24, 1-11	1.2	5
430	Oldroyd-B nanofluid-flow between stretching disks with thermal slip and multiple flow features. <i>Thermal Science</i> , 2020 , 24, 83-94	1.2	2
429	A Structure Preserving Numerical Method for Solution of Stochastic Epidemic Model of Smoking Dynamics. <i>Computers, Materials and Continua</i> , 2020 , 65, 263-278	3.9	5
428	Mathematical Analysis of Novel Coronavirus (2019-nCov) Delay Pandemic Model. <i>Computers, Materials and Continua</i> , 2020 , 64, 1401-1414	3.9	21
427	Heat Transfer in MHD Flow of Maxwell Fluid via Fractional Cattaneo-Friedrich Model: A Finite Difference Approach. <i>Computers, Materials and Continua</i> , 2020 , 65, 1959-1973	3.9	20
426	Generalized Model of Blood Flow in a Vertical Tube with Suspension of Gold Nanomaterials: Applications in the Cancer Therapy. <i>Computers, Materials and Continua</i> , 2020 , 65, 171-192	3.9	6
425	Computational Analysis of the Effect of Nano Particle Material Motion on Mixed Convection Flow in the Presence of Heat Generation and Absorption. <i>Computers, Materials and Continua</i> , 2020 , 65, 1809-1823	3.9	8
424	Computational Analysis of the Oscillatory Mixed Convection Flow along a Horizontal Circular Cylinder in Thermally Stratified Medium. <i>Computers, Materials and Continua</i> , 2020 , 65, 109-123	3.9	5
423	A New Idea of Fractal-fractional Derivative with Power Law Kernel for Free Convection Heat Transfer in a Channel Flow between Two Static Upright Parallel Plates. <i>Computers, Materials and Continua</i> , 2020 , 65, 1237-1251	3.9	8
422	Exact Analysis of Non-Linear Fractionalized Jeffrey Fluid. A Novel Approach of Atangana-Baleanu Fractional Model. <i>Computers, Materials and Continua</i> , 2020 , 65, 2033-2047	3.9	5
421	Heat Transfer Effect on Viscoelastic Fluid Used as a Coating Material for Wire with Variable Viscosity. <i>Coatings</i> , 2020 , 10, 163	2.9	5
420	Impacts of Thermal Radiation and Heat Consumption/Generation on Unsteady MHD Convection Flow of an Oldroyd-B Fluid with Ramped Velocity and Temperature in a Generalized Darcy Medium. <i>Mathematics</i> , 2020 , 8, 130	2.3	14
419	Hydromagnetic Flow of Micropolar Nanofluid. <i>Symmetry</i> , 2020 , 12, 251	2.7	6
418	Magnetized Flow of Cu + Al ₂ O ₃ + H ₂ O Hybrid Nanofluid in Porous Medium: Analysis of Duality and Stability. <i>Symmetry</i> , 2020 , 12, 1513	2.7	17

4 ¹⁷	MHD flow of fractional Newtonian fluid embedded in a porous medium via Atangana-Baleanu fractional derivatives. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2020 , 13, 377-387	2.8	6
4 ¹⁶	Channel flow of fractionalized H ₂ O-based CNTs nanofluids with Newtonian heating. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2020 , 13, 769-779	2.8	8
4 ¹⁵	Heat and mass transfer of fractional second grade fluid with slippage and ramped wall temperature using Caputo-Fabrizio fractional derivative approach. <i>AIMS Mathematics</i> , 2020 , 5, 3056-3088	2.2	20
4 ¹⁴	Supplemental chromium-loaded chitosan nanoparticles affect growth, serum metabolites and intestinal histology in broilers. <i>South African Journal of Animal Sciences</i> , 2020 , 49, 1072-1082	1	3
4 ¹³	Generalized Brinkman Type Dusty Fluid Model for Blood Flow. <i>Advances in Computer and Electrical Engineering Book Series</i> , 2020 , 154-170	0.3	
4 ¹²	A Report On Fluctuating Free Convection Flow Of Heat Absorbing Viscoelastic Dusty Fluid Past In A Horizontal Channel With MHD Effect. <i>Scientific Reports</i> , 2020 , 10, 8523	4.9	8
4 ¹¹	Dual similarity solutions of MHD stagnation point flow of Casson fluid with effect of thermal radiation and viscous dissipation: stability analysis. <i>Scientific Reports</i> , 2020 , 10, 15405	4.9	24
4 ¹⁰	Radiative heat transfer enhancement in MHD porous channel flow of an Oldroyd-B fluid under generalized boundary conditions. <i>Physica Scripta</i> , 2020 , 95, 115211	2.6	9
4 ⁰⁹	On magnetohydrodynamics Prandtl fluid flow in the presence of stratification and heat generation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020 , 540, 123008	3.3	17
4 ⁰⁸	Insights into the Stability of Mixed Convective Darcy-Borchheimer Flows of Cross Liquids from a Vertical Plate with Consideration of the Significant Impact of Velocity and Thermal Slip Conditions. <i>Mathematics</i> , 2020 , 8, 31	2.3	5
4 ⁰⁷	Mathematical modeling of radiotherapy cancer treatment using Caputo fractional derivative. <i>Computer Methods and Programs in Biomedicine</i> , 2020 , 188, 105306	6.9	16
4 ⁰⁶	A comparative analysis of flow features of Newtonian and power law material: A New configuration. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 1978-1987	5.5	10
4 ⁰⁵	Time fractional analysis of electro-osmotic flow of Walters-B fluid with time-dependent temperature and concentration. <i>AEJ - Alexandria Engineering Journal</i> , 2020 , 59, 25-38	6.1	15
4 ⁰⁴	Morphological and Molecular Identification of Paramphistomum epiclitum from Buffaloes in Pakistan. <i>Acta Parasitologica</i> , 2020 , 65, 225-236	1.7	1
4 ⁰³	Renewable energy resources and workforce case study Saudi Arabia: review and recommendations. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 141, 221-230	4.1	18
4 ⁰²	Linear stability analysis of MHD flow of micropolar fluid with thermal radiation and convective boundary condition: Exact solution. <i>Heat Transfer - Asian Research</i> , 2020 , 49, 461-476	2.8	14
4 ⁰¹	Chemically reactive bioconvection flow of tangent hyperbolic nanoliquid with gyrotactic microorganisms and nonlinear thermal radiation. <i>Heliyon</i> , 2020 , 6, e03117	3.6	47
4 ⁰⁰	A new model of fractional Casson fluid based on generalized Fick and Fourier laws together with heat and mass transfer. <i>AEJ - Alexandria Engineering Journal</i> , 2020 , 59, 2865-2876	6.1	42

399	Activation energy on MHD flow of titanium alloy (Ti6Al4V) nanoparticle along with a cross flow and streamwise direction with binary chemical reaction and non-linear radiation: Dual Solutions. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 188-199	5.5	53
398	A comprehensive finite element examination of Carreau Yasuda fluid model in a lid driven cavity and channel with obstacle by way of kinetic energy and drag and lift coefficient measurements. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 1785-1800	5.5	11
397	Marangoni Driven Boundary Layer Flow of Carbon Nanotubes Toward a Riga Plate. <i>Frontiers in Physics</i> , 2020 , 7,	3.9	19
396	Numerical simulation of normal and cancer cells' populations with fractional derivative under radiotherapy. <i>Computer Methods and Programs in Biomedicine</i> , 2020 , 187, 105202	6.9	9
395	Electronic Structure, Mechanical and Magnetic Properties of the Quaternary Perovskites CaA3V4O12 (A = Mn, Fe, Co, Ni and Cu). <i>Journal of Electronic Materials</i> , 2020 , 49, 1230-1242	1.9	4
394	Influence of Cattaneo-Christov model on Darcy-Forchheimer flow of Micropolar Ferrofluid over a stretching/shrinking sheet. <i>International Communications in Heat and Mass Transfer</i> , 2020 , 110, 104385	5.8	41
393	Stability analysis and multiple solution of CuAl2O3/H2O nanofluid contains hybrid nanomaterials over a shrinking surface in the presence of viscous dissipation. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 421-432	5.5	69
392	Heat Transfer in Cadmium Telluride-Water Nanofluid over a Vertical Cone under the Effects of Magnetic Field inside Porous Medium. <i>Processes</i> , 2020 , 8, 7	2.9	5
391	Entropy Generation and Dual Solutions in Mixed Convection Stagnation Point Flow of Micropolar Ti6Al4V Nanoparticle along a Riga Surface. <i>Processes</i> , 2020 , 8, 14	2.9	18
390	A novel study of radiative flow involving micropolar nanoliquid from a shrinking/stretching curved surface including blood gold nanoparticles. <i>European Physical Journal Plus</i> , 2020 , 135, 1	3.1	11
389	Structure Preserving Numerical Analysis of HIV and CD4+T-Cells Reaction Diffusion Model in Two Space Dimensions. <i>Chaos, Solitons and Fractals</i> , 2020 , 139, 110307	9.3	9
388	Numerical Simulation of Mixed Convection Squeezing Flow of a Hybrid Nanofluid Containing Magnetized Ferroparticles in 50%:50% of Ethylene Glycol-Water Mixture Base Fluids Between Two Disks With the Presence of a Non-linear Thermal Radiation Heat Flux. <i>Frontiers in Chemistry</i> , 2020 , 8, 788	5	15
387	Rotating 3D Flow of Hybrid Nanofluid on Exponentially Shrinking Sheet: Symmetrical Solution and Duality. <i>Symmetry</i> , 2020 , 12, 1637	2.7	9
386	A New Operational Matrices-Based Spectral Method for Multi-Order Fractional Problems. <i>Symmetry</i> , 2020 , 12, 1471	2.7	7
385	Electronic structure and magnetic properties of the Mg-rich intermetallic NdNiMg5 by hybrid density functional theory. <i>Intermetallics</i> , 2020 , 127, 106969	3.5	1
384	Alterations in host biomarkers in Cryptosporidium infected goats. <i>Small Ruminant Research</i> , 2020 , 193, 106255	1.7	
383	Computational analysis of nano-fluid due to a non-linear variable thicked stretching sheet subjected to Joule heating and thermal radiation. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 11035-11044	5.5	12
382	Lie analysis, conservation laws and travelling wave structures of nonlinear Bogoyavlenskii-Kadomtsev-Betviashvili equation. <i>Results in Physics</i> , 2020 , 19, 103492	3.7	20

381	Exploration of Aluminum and Titanium Alloys in the Stream-Wise and Secondary Flow Directions Comprising the Significant Impacts of Magnetohydrodynamic and Hybrid Nanofluid. <i>Crystals</i> , 2020 , 10, 679	2.3	6
380	Augmentation of mixed convection heat transfer in a lid-assisted square enclosure utilizing micropolar fluid under magnetic environment: A numerical approach. <i>Results in Physics</i> , 2020 , 18, 103245	3.7	9
379	Analysis of Transport and Mixing Phenomenon to Invariant Manifolds Using LCS and KAM Theory Approach in Unsteady Dynamical Systems. <i>IEEE Access</i> , 2020 , 8, 141057-141065	3.5	5
378	Influence in a Darcy's medium with heat production and radiation on MHD convection flow via modern fractional approach. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 10016-10030	5.5	11
377	Stability Analysis of the Magnetized Casson Nanofluid Propagating through an Exponentially Shrinking/Stretching Plate: Dual Solutions. <i>Symmetry</i> , 2020 , 12, 1162	2.7	5
376	An Efficient Boosted C5.0 Decision-Tree-Based Classification Approach for Detecting Non-Technical Losses in Power Utilities. <i>Energies</i> , 2020 , 13, 3242	3.1	11
375	Dynamical behavior of fractional Chen-Lee-Liu equation in optical fibers with beta derivatives. <i>Results in Physics</i> , 2020 , 18, 103208	3.7	14
374	Selected herbal plants showing enhanced growth performance, ileal digestibility, bone strength and blood metabolites in broilers. <i>Journal of Applied Animal Research</i> , 2020 , 48, 448-453	1.7	10
373	Generalized Unsteady MHD Natural Convective Flow of Jeffery Model with ramped wall velocity and Newtonian heating; A Caputo-Fabrizio Approach. <i>Chinese Journal of Physics</i> , 2020 , 68, 849-865	3.5	7
372	Improving the immunosuppressive potential of articular chondroprogenitors in a three-dimensional culture setting. <i>Scientific Reports</i> , 2020 , 10, 16610	4.9	6
371	Computational Intelligence-Based Optimization Methods for Power Quality and Dynamic Response Enhancement of ac Microgrids. <i>Energies</i> , 2020 , 13, 4063	3.1	6
370	Detection of Non-Technical Losses in Power Utilities: A Comprehensive Systematic Review. <i>Energies</i> , 2020 , 13, 4727	3.1	12
369	Mechanical ventilation in aneurysmal subarachnoid hemorrhage: systematic review and recommendations. <i>Critical Care</i> , 2020 , 24, 575	10.8	5
368	Convective Effect on Magnetohydrodynamic (MHD) Stagnation Point Flow of Casson Fluid over a Vertical Exponentially Stretching/Shrinking Surface: Triple Solutions. <i>Symmetry</i> , 2020 , 12, 1238	2.7	12
367	A novel study on time-dependent viscosity model of magneto-hybrid nanofluid flow over a permeable cone: applications in material engineering. <i>European Physical Journal Plus</i> , 2020 , 135, 1	3.1	9
366	MARCH8 Inhibits Ebola Virus Glycoprotein, Human Immunodeficiency Virus Type 1 Envelope Glycoprotein, and Avian Influenza Virus H5N1 Hemagglutinin Maturation. <i>MBio</i> , 2020 , 11,	7.8	15
365	A Time Fractional Model of Generalized Couette Flow of Couple Stress Nanofluid With Heat and Mass Transfer: Applications in Engine Oil. <i>IEEE Access</i> , 2020 , 8, 146944-146966	3.5	25
364	Heat transfer enhancement in H2O suspended by aluminium alloy nanoparticles over a convective stretching surface. <i>Advances in Mechanical Engineering</i> , 2020 , 12, 168781402094234	1.2	4

363	Cognitive, Psychiatric, and Quality of Life Outcomes in Adult Survivors of Extracorporeal Membrane Oxygenation Therapy: A Scoping Review of the Literature. <i>Critical Care Medicine</i> , 2020 , 48, e959-e970	1.4	7
362	Numerical Investigation of Heat and Mass Transport in the Flow over a Magnetized Wedge by Incorporating the Effects of Cross-Diffusion Gradients: Applications in Multiple Engineering Systems. <i>Mathematical Problems in Engineering</i> , 2020 , 2020, 1-10	1.1	5
361	Dual solutions of nanomaterial flow comprising titanium alloy (TiAlV) suspended in Williamson fluid through a thin moving needle with nonlinear thermal radiation: stability scrutinization. <i>Scientific Reports</i> , 2020 , 10, 20933	4.9	4
360	Numerical Solutions of Micropolar Nanofluid over an Inclined Surface Using Keller Box Analysis. <i>Journal of Mathematics</i> , 2020 , 2020, 1-13	1.2	6
359	Study of Heat Transfer under the Impact of Thermal Radiation, Ramped Velocity, and Ramped Temperature on the MHD Oldroyd-B Fluid Subject to Noninteger Differentiable Operators. <i>Journal of Mathematics</i> , 2020 , 2020, 1-14	1.2	5
358	A report on COVID-19 epidemic in Pakistan using SEIR Fractional model. <i>Scientific Reports</i> , 2020 , 10, 222689	3.9	32
357	Single or Combined Applications of Zinc and Multi-strain Probiotic on Intestinal Histomorphology of Broilers Under Cyclic Heat Stress. <i>Probiotics and Antimicrobial Proteins</i> , 2020 , 12, 473-480	5.5	16
356	Heat transfer and second order slip effect on MHD flow of fractional Maxwell fluid in a porous medium. <i>Journal of King Saud University - Science</i> , 2020 , 32, 450-458	3.6	56
355	MHD Influence on different water based nanofluids (TiO ₂ , Al ₂ O ₃ , CuO) in porous medium with chemical reaction and newtonian heating. <i>Chaos, Solitons and Fractals</i> , 2020 , 130, 109437	9.3	51
354	Heat transfer analysis in sodium alginate based nanofluid using MoS ₂ nanoparticles: Atangana-Baleanu fractional model. <i>Chaos, Solitons and Fractals</i> , 2020 , 130, 109445	9.3	28
353	Caputo-Fabrizio fractional derivatives modeling of transient MHD Brinkman nanoliquid: Applications in food technology. <i>Chaos, Solitons and Fractals</i> , 2020 , 131, 109489	9.3	15
352	The effects of coupled heat and mass transfer in the fractional Jeffrey fluid over inclined plane. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 139, 1355-1365	4.1	3
351	Water management and desalination in KSA view 2030. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 139, 3745-3756	4.1	21
350	Exact Analysis of Non-Linear Electro-Osmotic Flow of Generalized Maxwell Nanofluid: Applications in Concrete Based Nano-Materials. <i>IEEE Access</i> , 2020 , 8, 96738-96747	3.5	6
349	Triple Solutions and Stability Analysis of Micropolar Fluid Flow on an Exponentially Shrinking Surface. <i>Crystals</i> , 2020 , 10, 283	2.3	8
348	Modeling and analysis of the impact of exothermic catalytic chemical reaction and viscous dissipation on natural convection flow driven along a curved surface. <i>Thermal Science</i> , 2020 , 24, 1-11	1.2	1
347	Oldroyd-B nanofluid-flow between stretching disks with thermal slip and multiple flow features. <i>Thermal Science</i> , 2020 , 24, 83-94	1.2	
346	Triple Local Similarity Solutions of Darcy-Forchheimer Magnetohydrodynamic (MHD) Flow of Micropolar Nanofluid Over an Exponential Shrinking Surface: Stability Analysis. <i>Coatings</i> , 2019 , 9, 527	2.9	26

345	First-principles study of BiFeO ₃ and BaTiO ₃ in tetragonal structure. <i>International Journal of Modern Physics B</i> , 2019 , 33, 1950231	1.1	8
344	The Solutions of Non-Integer Order Burgers Fluid Flowing through a Round Channel with Semi Analytical Technique. <i>Symmetry</i> , 2019 , 11, 962	2.7	3
343	Numerical Investigation of Multiple Solutions for Caputo Fractional-Order-Two Dimensional Magnetohydrodynamic Unsteady Flow of Generalized Viscous Fluid over a Shrinking Sheet Using the Adams-Type Predictor-Corrector Method. <i>Coatings</i> , 2019 , 9, 548	2.9	10
342	Chaotic dynamics and chaos control for the fractional-order geomagnetic field model. <i>Chaos, Solitons and Fractals</i> , 2019 , 128, 390-401	9.3	30
341	Numerical Solution of Casson Nanofluid Flow Over a Non-linear Inclined Surface With Soret and Dufour Effects by Keller-Box Method. <i>Frontiers in Physics</i> , 2019 , 7,	3.9	31
340	The flow of nano-liquid film in the presence of operative Prandtl number model through an unsteady stretchable disc. <i>AIP Advances</i> , 2019 , 9, 095306	1.5	6
339	First principles studies of CsLnCdTe ₃ (Ln = Gd, Sm) for green energy resources. <i>Computational Condensed Matter</i> , 2019 , 21, e00427	1.7	4
338	Melting Flow in Wire Coating of a Third Grade Fluid over a Die Using Reynolds' and Vogel's Models with Non-Linear Thermal Radiation and Joule Heating. <i>Materials</i> , 2019 , 12,	3.5	14
337	Heat transfer analysis of generalized Jeffery nanofluid in a rotating frame: Atangana-Baleanu and Caputo-Fabrizio fractional models. <i>Chaos, Solitons and Fractals</i> , 2019 , 129, 1-15	9.3	23
336	Unsteady water functionalized oxide and non-oxide nanofluids flow over an infinite accelerated plate. <i>Chinese Journal of Physics</i> , 2019 , 62, 115-131	3.5	9
335	New idea of Atangana and Baleanu fractional derivatives to human blood flow in nanofluids. <i>Chaos</i> , 2019 , 29, 013121	3.3	20
334	A comprehensive report on convective flow of fractional (ABC) and (CF) MHD viscous fluid subject to generalized boundary conditions. <i>Chaos, Solitons and Fractals</i> , 2019 , 118, 274-289	9.3	48
333	Casson Model of MHD Flow of SA-Based Hybrid Nanofluid Using Caputo Time-Fractional Models. <i>Defect and Diffusion Forum</i> , 2019 , 390, 83-90	0.7	11
332	Effects of Relative Magnetic Field, Chemical Reaction, Heat Generation and Newtonian Heating on Convection Flow of Casson Fluid over a Moving Vertical Plate Embedded in a Porous Medium. <i>Scientific Reports</i> , 2019 , 9, 400	4.9	23
331	Thermodynamic Analysis of Entropy Generation Minimization in Thermally Dissipating Flow Over a Thin Needle Moving in a Parallel Free Stream of Two Newtonian Fluids. <i>Entropy</i> , 2019 , 21,	2.8	15
330	Entropy Generation in MHD Conjugate Flow with Wall Shear Stress over an Infinite Plate: Exact Analysis. <i>Entropy</i> , 2019 , 21,	2.8	9
329	Applications of Nanofluids for the Thermal Enhancement in Radiative and Dissipative Flow over a Wedge. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 1976	2.6	8
328	Numerical Solution of Non-Newtonian Fluid Flow Due to Rotatory Rigid Disk. <i>Symmetry</i> , 2019 , 11, 699	2.7	31

327	General Solution for Unsteady Natural Convection Flow with Heat and Mass in the Presence of Wall Slip and Ramped Wall Temperature. <i>Communications in Theoretical Physics</i> , 2019 , 71, 647	2.4	3
326	Modified MHD Radiative Mixed Convective Nanofluid Flow Model with Consideration of the Impact of Freezing Temperature and Molecular Diameter. <i>Symmetry</i> , 2019 , 11, 833	2.7	7
325	Heat and Mass Transfer of Free Convection Flow Over a Vertical Plate with Chemical Reaction Under Wall Slip Effect. <i>Arabian Journal for Science and Engineering</i> , 2019 , 44, 9869-9887	2.5	6
324	Multiple solutions of Cu-C6H9NaO7 and Ag-C6H9NaO7 nanofluids flow over nonlinear shrinking surface. <i>Journal of Central South University</i> , 2019 , 26, 1283-1293	2.1	37
323	Unsteady Free Convection Flow of Casson Nanofluid Over a Nonlinear Stretching Sheet. <i>IEEE Access</i> , 2019 , 7, 93076-93087	3.5	10
322	Techno-economic analysis of the thermal energy saving options for high-voltage direct current interconnectors. <i>Applied Energy</i> , 2019 , 247, 60-77	10.7	8
321	Nonlinear mixed thermal convective flow over a rotating disk in suspension of magnesium oxide nanoparticles with water and EG. <i>European Physical Journal Plus</i> , 2019 , 134, 1	3.1	14
320	Thermal management of MHD nanofluid within the porous medium enclosed in a wavy shaped cavity with square obstacle in the presence of radiation heat source. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 139, 87-94	4.9	45
319	A new idea of Atangana-Baleanu time fractional derivatives to blood flow with magnetic particles in a circular cylinder: Two phase flow model. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 486, 165282	2.8	6
318	Modeling and Optimization of Gaseous Thermal Slip Flow in Rectangular Microducts Using a Particle Swarm Optimization Algorithm. <i>Symmetry</i> , 2019 , 11, 488	2.7	4
317	Integer and Non-Integer Order Study of the GO-W/GO-EG Nanofluids Flow by Means of Marangoni Convection. <i>Symmetry</i> , 2019 , 11, 640	2.7	14
316	Atangana-Baleanu fractional model for electro-osmotic flow of viscoelastic fluids. <i>Chaos, Solitons and Fractals</i> , 2019 , 124, 125-133	9.3	9
315	MHD Nanofluids in a Permeable Channel with Porosity. <i>Symmetry</i> , 2019 , 11, 378	2.7	13
314	MHD Slip Flow of Casson Fluid along a Nonlinear Permeable Stretching Cylinder Saturated in a Porous Medium with Chemical Reaction, Viscous Dissipation, and Heat Generation/Absorption. <i>Symmetry</i> , 2019 , 11, 531	2.7	35
313	Stimulations of Thermophysical Characteristics of Nano-Diamond and Silver Nanoparticles for Nonlinear Radiative Curved Surface Flow. <i>IEEE Access</i> , 2019 , 7, 55509-55517	3.5	6
312	Exact solutions for the Atangana-Baleanu time-fractional model of a Brinkman-type nanofluid in a rotating frame: Applications in solar collectors. <i>European Physical Journal Plus</i> , 2019 , 134, 1	3.1	6
311	Application of Electric Field for Augmentation of Ferrofluid Heat Transfer in an Enclosure Including Double Moving Walls. <i>IEEE Access</i> , 2019 , 7, 21048-21056	3.5	31
310	Generalized magnetic blood flow in a cylindrical tube with magnetite dusty particles. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 484, 490-496	2.8	27

309	Convective Heat Transfer in Drilling Nanofluid with Clay Nanoparticles: Applications in Water Cleaning Process. <i>BioNanoScience</i> , 2019 , 9, 453-460	3.4	18
308	Cattaneo-Christov Heat Flux Model for Three-Dimensional Rotating Flow of SWCNT and MWCNT Nanofluid with Darcy-Forchheimer Porous Medium Induced by a Linearly Stretchable Surface. <i>Symmetry</i> , 2019 , 11, 331	2.7	21
307	MHD Thin Film Flow and Thermal Analysis of Blood with CNTs Nanofluid. <i>Coatings</i> , 2019 , 9, 175	2.9	35
306	Simulation of convection heat transfer of magnetic nanoparticles including entropy generation using CVFEM. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 136, 146-156	4.9	36
305	Fractional Order Forced Convection Carbon Nanotube Nanofluid Flow Passing Over a Thin Needle. <i>Symmetry</i> , 2019 , 11, 312	2.7	26
304	Analysis of dual solution for MHD flow of Williamson fluid with slippage. <i>Heliyon</i> , 2019 , 5, e01345	3.6	36
303	Deep Brain Stimulation for Memory Modulation: A New Frontier. <i>World Neurosurgery</i> , 2019 , 126, 638-646.	1	8
302	Thermal effects of magnetohydrodynamic micropolar fluid embedded in porous medium with Fourier sine transform technique. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019 , 41, 1	2	44
301	Stability Analysis of Darcy-Forchheimer Flow of Casson Type Nanofluid Over an Exponential Sheet: Investigation of Critical Points. <i>Symmetry</i> , 2019 , 11, 412	2.7	49
300	Unsteady Nano-Liquid Spray with Thermal Radiation Comprising CNTs. <i>Processes</i> , 2019 , 7, 181	2.9	7
299	Impact of Nonlinear Thermal Radiation and the Viscous Dissipation Effect on the Unsteady Three-Dimensional Rotating Flow of Single-Wall Carbon Nanotubes with Aqueous Suspensions. <i>Symmetry</i> , 2019 , 11, 207	2.7	39
298	Unsteady Flow of Fractional Fluid between Two Parallel Walls with Arbitrary Wall Shear Stress Using Caputo-Fabrizio Derivative. <i>Symmetry</i> , 2019 , 11, 449	2.7	8
297	Effect of zinc and probiotics supplementation on performance and immune organs morphology in heat stressed broilers. <i>South African Journal of Animal Sciences</i> , 2019 , 48,	1	2
296	Impact of Lorentz forces on Fe ₃ O ₄ -water ferrofluid entropy and exergy treatment within a permeable semi annulus. <i>Journal of Cleaner Production</i> , 2019 , 221, 885-898	10.3	129
295	Thin Film Flow of Micropolar Fluid in a Permeable Medium. <i>Coatings</i> , 2019 , 9, 98	2.9	15
294	Darcy-Forchheimer flow and heat transfer augmentation of a viscoelastic fluid over an incessant moving needle in the presence of viscous dissipation. <i>Microsystem Technologies</i> , 2019 , 25, 3399-3405	1.7	36
293	Application of fractional differential equations to heat transfer in hybrid nanofluid: modeling and solution via integral transforms. <i>Advances in Difference Equations</i> , 2019 , 2019,	3.6	48
292	Nanotechnology for water purification: electrospun nanofibrous membrane in water and wastewater treatment. <i>Journal of Water Reuse and Desalination</i> , 2019 , 9, 232-248	2.6	67

291	Entropy Generation in Different Types of Fractionalized Nanofluids. <i>Arabian Journal for Science and Engineering</i> , 2019 , 44, 531-540	2.5	24
290	Effect of viscous dissipation on MHD water-Cu and EG-Cu nanofluids flowing through a porous medium. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 645-656	4.1	9
289	Electro-magneto-hydrodynamic flow and radiative heat transfer of the non-Newtonian fluids through a porous micro-channel. <i>Mechanics of Time-Dependent Materials</i> , 2019 , 23, 407-425	1.2	5
288	On the thermal analysis of magnetohydrodynamic Jeffery fluid via modern non integer order derivative. <i>Journal of King Saud University - Science</i> , 2019 , 31, 973-979	3.6	25
287	Numerical and Analytical Investigation of an Unsteady Thin Film Nanofluid Flow over an Angular Surface. <i>Processes</i> , 2019 , 7, 486	2.9	10
286	Influence of the nanoparticles and uniform magnetic field on the slip blood flows in arterial vessels. <i>Physica Scripta</i> , 2019 , 94, 125218	2.6	39
285	Steady incompressible magnetohydrodynamics Casson boundary layer flow past a permeable vertical and exponentially shrinking sheet: A stability analysis. <i>Heat Transfer - Asian Research</i> , 2019 , 48, 3538-3556	2.8	15
284	Enactment of implicit two-step Obrechhoff-type block method on unsteady sedimentation analysis of spherical particles in Newtonian fluid media. <i>Journal of Molecular Liquids</i> , 2019 , 293, 111416	6	13
283	Two-Phase Fluctuating Flow of Dusty Viscoelastic Fluid Between Non-Conducting Rigid Plates With Heat Transfer. <i>IEEE Access</i> , 2019 , 7, 123299-123306	3.5	10
282	Investigation of thermal characteristics of carbon nanotubes: Measurement and dependence. <i>Journal of Molecular Liquids</i> , 2019 , 294, 111564	6	10
281	Convective Bubbly Flow of Water in an Annular Pipe: Role of Total Dissolved Solids on Heat Transfer Characteristics and Bubble Formation. <i>Water (Switzerland)</i> , 2019 , 11, 1566	3	18
280	MHD natural convection in cadmium telluride nanofluid over a vertical cone embedded in a porous medium. <i>Physica Scripta</i> , 2019 , 94, 125208	2.6	11
279	AtanganaBaleanu fractional model for the flow of Jeffrey nanofluid with diffusion-thermo effects: applications in engine oil. <i>Advances in Difference Equations</i> , 2019 , 2019,	3.6	15
278	Quadruple solutions of mixed convection flow of magnetohydrodynamic nanofluid over exponentially vertical shrinking and stretching surfaces: Stability analysis. <i>Computer Methods and Programs in Biomedicine</i> , 2019 , 182, 105044	6.9	27
277	Experimental Investigation on Thermal Performance of a PV/T-PCM (Photovoltaic/Thermal) System Cooling with a PCM and Nanofluid. <i>Energies</i> , 2019 , 12, 2572	3.1	91
276	Fractional Model of Couple Stress Fluid for Generalized Couette Flow: A Comparative Analysis of AtanganaBaleanu and CaputoBabrizio Fractional Derivatives. <i>IEEE Access</i> , 2019 , 7, 88643-88655	3.5	16
275	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
274	Hall effect on Titania nanofluids thin film flow and radiative thermal behavior with different base fluids on an inclined rotating surface. <i>AIP Advances</i> , 2019 , 9, 055113	1.5	17

273	The impact of magnetohydrodynamics and heat transfer on the unsteady flow of Casson fluid in an oscillating cylinder via integral transform: A Caputo-Fabrizio fractional model 2019 , 93, 1		7
272	Novel technique of Atangana and Baleanu for heat dissipation in transmission line of electrical circuit. <i>Chaos, Solitons and Fractals</i> , 2019 , 129, 40-45	9.3	34
271	Mathematical analysis of magnetohydrodynamic (MHD) flow of micropolar nanofluid under buoyancy effects past a vertical shrinking surface: dual solutions. <i>Heliyon</i> , 2019 , 5, e02432	3.6	20
270	On magnetized non-Newtonian rotatory fluid flow field. <i>Advances in Mechanical Engineering</i> , 2019 , 11, 168781401987891	1.2	5
269	New features of non-linear time-dependent two-level atoms. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019 , 105, 171-181	5.3	1
268	Numerical Analysis with Keller-Box Scheme for Stagnation Point Effect on Flow of Micropolar Nanofluid over an Inclined Surface. <i>Symmetry</i> , 2019 , 11, 1379	2.7	7
267	Role of modern fractional derivatives in an armature-controlled DC servomotor. <i>European Physical Journal Plus</i> , 2019 , 134, 1	3.1	23
266	Entropy Generation in Cu-Al ₂ O ₃ -H ₂ O Hybrid Nanofluid Flow over a Curved Surface with Thermal Dissipation. <i>Entropy</i> , 2019 , 21, 941	2.8	30
265	Keller-Box Analysis of Buongiorno Model with Brownian and Thermophoretic Diffusion for Casson Nanofluid over an Inclined Surface. <i>Symmetry</i> , 2019 , 11, 1370	2.7	6
264	A New Extension of the Gauss Hypergeometric Function and Its Associated Properties. <i>Mathematics</i> , 2019 , 7, 996	2.3	5
263	Shape Effect in Magnetohydrodynamic Free Convection Flow of Sodium Alginate-Ferrimagnetic Nanofluid. <i>Journal of Thermal Science and Engineering Applications</i> , 2019 , 11,	1.9	20
262	Ameliorative Effect of Zinc and Multistrain Probiotic on Muscle and Bone Characteristics in Broiler Reared under Cyclic Heat Stress. <i>Pakistan Journal of Zoology</i> , 2019 , 51,	1.7	6
261	Effects of carbon nanotubes on magnetohydrodynamic flow of methanol based nanofluids via Atangana-Baleanu and Caputo-Fabrizio fractional derivatives. <i>Thermal Science</i> , 2019 , 23, 883-898	1.2	21
260	Incidence of ESBL-Producing-Escherichia coli in Poultry Farm Environment and Retail Poultry Meat. <i>Pakistan Veterinary Journal</i> , 2019 , 39, 116-120	1.9	3
259	Entropy Generation in MHD Mixed Convection Non-Newtonian Second-Grade Nanoliquid Thin Film Flow through a Porous Medium with Chemical Reaction and Stratification. <i>Entropy</i> , 2019 , 21,	2.8	42
258	MHD Flow and Heat Transfer in Sodium Alginate Fluid with Thermal Radiation and Porosity Effects: Fractional Model of Atangana-Baleanu Derivative of Non-Local and Non-Singular Kernel. <i>Symmetry</i> , 2019 , 11, 1295	2.7	9
257	Sorptivity and Durability Assessment of Dolomite Impregnated Ternary Concrete. <i>International Journal of Recent Technology and Engineering</i> , 2019 , 8, 5676-5681	1.6	5
256	MHD Flow of Brinkman Type HD-Cu, Ag, TiO ₂ and Al ₂ O ₃ Nanofluids with Chemical Reaction and Heat Generation Effects in a Porous Medium. <i>Journal of Magnetism</i> , 2019 , 24, 262-270	1.9	4

255	Uniform magnetic force impact on water based nanofluid thermal behavior in a porous enclosure with ellipse shaped obstacle. <i>Scientific Reports</i> , 2019 , 9, 1196	4.9	84
254	Manufacturing of Double Layer Optical Fiber Coating Using Phan-Thien-Tanner Fluid as Coating Material. <i>Coatings</i> , 2019 , 9, 147	2.9	14
253	A comparative study and analysis of natural convection flow of MHD non-Newtonian fluid in the presence of heat source and first-order chemical reaction. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 137, 1783-1796	4.1	26
252	Heat Transfer Analysis in Ethylene Glycol Based Molybdenum Disulfide Generalized Nanofluid via Atangana-Baleanu Fractional Derivative Approach. <i>Studies in Systems, Decision and Control</i> , 2019 , 217-233	0.8	7
251	Entropy Generation of Carbon Nanotubes Flow in a Rotating Channel with Hall and Ion-Slip Effect Using Effective Thermal Conductivity Model. <i>Entropy</i> , 2019 , 21,	2.8	28
250	New Direction of Atangana-Baleanu Fractional Derivative with Mittag-Leffler Kernel for Non-Newtonian Channel Flow. <i>Studies in Systems, Decision and Control</i> , 2019 , 253-268	0.8	7
249	Entropy Generation and Heat Transfer in Drilling Nanoliquids with Clay Nanoparticles. <i>Entropy</i> , 2019 , 21, 1226	2.8	5
248	Numerical Investigation of Aligned Magnetic Flow Comprising Nanoliquid over a Radial Stretchable Surface with Cattaneo-Christov Heat Flux with Entropy Generation. <i>Symmetry</i> , 2019 , 11, 1520	2.7	5
247	Effect of Viscous Dissipation in Heat Transfer of MHD Flow of Micropolar Fluid Partial Slip Conditions: Dual Solutions and Stability Analysis. <i>Energies</i> , 2019 , 12, 4617	3.1	19
246	Mode-matching analysis for two-dimensional acoustic wave propagation in a trifurcated lined duct. <i>Journal of Interdisciplinary Mathematics</i> , 2019 , 22, 1095-1112	1.2	2
245	Mixed Convection Flow of Brinkman Type Hybrid Nanofluid Based on Atangana-Baleanu Fractional Model. <i>Journal of Physics: Conference Series</i> , 2019 , 1366, 012041	0.3	4
244	Keller-Box Simulation for the Buongiorno Mathematical Model of Micropolar Nanofluid Flow over a Nonlinear Inclined Surface. <i>Processes</i> , 2019 , 7, 926	2.9	9
243	Significance of Double Stratification in Stagnation Point Flow of Third-Grade Fluid towards a Radiative Stretching Cylinder. <i>Mathematics</i> , 2019 , 7, 1103	2.3	26
242	Enhanced heat transfer in working fluids using nanoparticles with ramped wall temperature: Applications in engine oil. <i>Advances in Mechanical Engineering</i> , 2019 , 11, 168781401988098	1.2	10
241	Dual Solutions and Stability Analysis of Micropolar Nanofluid Flow with Slip Effect on Stretching/Shrinking Surfaces. <i>Energies</i> , 2019 , 12, 4529	3.1	13
240	Investigation of Two-Dimensional Viscoelastic Fluid with Nonuniform Heat Generation over Permeable Stretching Sheet with Slip Condition. <i>Complexity</i> , 2019 , 2019, 1-8	1.6	12
239	Analysis of De-Levie model via modern fractional differentiations: An application to supercapacitor. <i>AEJ - Alexandria Engineering Journal</i> , 2019 , 58, 1375-1384	6.1	12
238	Brownian Motion and Thermophoretic Diffusion Effects on Micropolar Type Nanofluid Flow with Soret and Dufour Impacts over an Inclined Sheet: Keller-Box Simulations. <i>Energies</i> , 2019 , 12, 4191	3.1	13

237	Heat Transfer Enhancement by Coupling of Carbon Nanotubes and SiO ₂ Nanofluids: A Numerical Approach. <i>Processes</i> , 2019 , 7, 937	2.9	9
236	Nonlinear Thermal Radiation and Chemical Reaction Effects on a (Cu α UO)/NaAlg Hybrid Nanofluid Flow Past a Stretching Curved Surface. <i>Processes</i> , 2019 , 7, 962	2.9	15
235	Certain Unified Integrals Associated with Product of M-Series and Incomplete H-functions. <i>Mathematics</i> , 2019 , 7, 1191	2.3	9
234	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
233	Effect of fractional derivatives on transient MHD flow and radiative heat transfer in a micro-parallel channel at high zeta potentials. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019 , 519, 42-71	3.3	17
232	Enhancement of heat transfer rate of solar energy via rotating Jeffrey nanofluids using CaputoFabrizio fractional operator: An application to solar energy. <i>Energy Reports</i> , 2019 , 5, 41-49	4.6	38
231	CNTS-WaterBased Nanofluid Over a Stretching Sheet. <i>BioNanoScience</i> , 2019 , 9, 21-29	3.4	45
230	Solidification process through a solar energy storage enclosure using various sizes of Al ₂ O ₃ nanoparticles. <i>Journal of Molecular Liquids</i> , 2019 , 275, 941-954	6	16
229	Cattaneo-Christov model for electrical magnetite micropolar Casson ferrofluid over a stretching/shrinking sheet using effective thermal conductivity model. <i>Case Studies in Thermal Engineering</i> , 2019 , 13, 100352	5.6	48
228	The unsteady flow of generalized hybrid nanofluids: applications in cementitious materials. <i>Journal of the Australian Ceramic Society</i> , 2019 , 55, 657-666	1.5	6
227	Spherical Shaped (Ag/Fe ₃ O ₄ /H ₂ O) Hybrid Nanofluid. <i>Energies</i> , 2019 , 12, 76	3.1	16
226	First-Principles Study of Perovskite Molybdates AMoO ₃ (A = Ca, Sr, Ba). <i>Journal of Electronic Materials</i> , 2019 , 48, 1730-1739	1.9	15
225	Analytical investigation of stagnation point flow of Williamson liquid with melting phenomenon. <i>Physica Scripta</i> , 2019 , 94, 035204	2.6	19
224	Estimates for the difference between approximate and exact solutions to stochastic differential equations in the G-framework. <i>Journal of Taibah University for Science</i> , 2019 , 13, 20-26	3	0
223	Convection in ethylene glycol-based molybdenum disulfide nanofluid. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 523-532	4.1	33
222	Dual thermal analysis of magnetohydrodynamic flow of nanofluids via modern approaches of CaputoFabrizio and AtanganaBaleanu fractional derivatives embedded in porous medium. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 2197-2207	4.1	43
221	Brownian diffusion and thermophoresis mechanisms in Casson fluid over a moving wedge. <i>Results in Physics</i> , 2018 , 9, 183-194	3.7	19
220	Free convective micropolar fluid flow and heat transfer over a shrinking sheet with heat source. <i>Case Studies in Thermal Engineering</i> , 2018 , 11, 113-119	5.6	36

219	Flow of magnetic particles in blood with isothermal heating: A fractional model for two-phase flow. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 456, 413-422	2.8	21
218	A computational analysis on homogeneous-heterogeneous mechanism in Carreau fluid flow. <i>Results in Physics</i> , 2018 , 8, 1028-1033	3.7	8
217	Numerical solution of sixth-order boundary-value problems using Legendre wavelet collocation method. <i>Results in Physics</i> , 2018 , 8, 1204-1208	3.7	9
216	Exponentially varying viscosity of magnetohydrodynamic mixed convection Eyring-Powell nanofluid flow over an inclined surface. <i>Results in Physics</i> , 2018 , 8, 1194-1203	3.7	31
215	Application of Atangana-Baleanu fractional derivative to convection flow of MHD Maxwell fluid in a porous medium over a vertical plate. <i>Mathematical Modelling of Natural Phenomena</i> , 2018 , 13, 1	3	94
214	Applications of fractional derivatives to nanofluids: exact and numerical solutions. <i>Mathematical Modelling of Natural Phenomena</i> , 2018 , 13, 2	3	20
213	Numerical analysis of MHD Carreau fluid flow over a stretching cylinder with homogenous-heterogeneous reactions. <i>Results in Physics</i> , 2018 , 9, 1141-1147	3.7	28
212	A new Caputo time fractional model for heat transfer enhancement of water based graphene nanofluid: An application to solar energy. <i>Results in Physics</i> , 2018 , 9, 1352-1362	3.7	28
211	Thermal analysis in Stokes's second problem of nanofluid: Applications in thermal engineering. <i>Case Studies in Thermal Engineering</i> , 2018 , 12, 271-275	5.6	29
210	MHD fractional Jeffrey's fluid flow in the presence of thermo diffusion, thermal radiation effects with first order chemical reaction and uniform heat flux. <i>Results in Physics</i> , 2018 , 10, 10-17	3.7	21
209	Microstructure and inertial characteristics of a magnetite ferrofluid over a stretching/shrinking sheet using effective thermal conductivity model. <i>Journal of Molecular Liquids</i> , 2018 , 255, 64-75	6	51
208	Mixed convection flow of sodium alginate (SA-NaAlg) based molybdenum disulphide (MoS ₂) nanofluids: Maxwell Garnetts and Brinkman models. <i>Results in Physics</i> , 2018 , 8, 752-757	3.7	20
207	Irreversibility analysis in unsteady flow over a vertical plate with arbitrary wall shear stress and ramped wall temperature. <i>Results in Physics</i> , 2018 , 8, 1283-1290	3.7	11
206	Multiple slips effects on MHD SA-Al ₂ O ₃ and SA-Cu non-Newtonian nanofluids flow over a stretching cylinder in porous medium with radiation and chemical reaction. <i>Results in Physics</i> , 2018 , 8, 213-222	3.7	54
205	Case study of MHD blood flow in a porous medium with CNTS and thermal analysis. <i>Case Studies in Thermal Engineering</i> , 2018 , 12, 374-380	5.6	67
204	Entropy generation in a mixed convection Poiseuille flow of molybdenum disulphide Jeffrey nanofluid. <i>Results in Physics</i> , 2018 , 9, 947-954	3.7	23
203	Analytical solution for suction and injection flow of a viscoplastic Casson fluid past a stretching surface in the presence of viscous dissipation. <i>Neural Computing and Applications</i> , 2018 , 29, 1507-1515	4.8	15
202	Heat and mass transfer in a micropolar fluid with Newtonian heating: an exact analysis. <i>Neural Computing and Applications</i> , 2018 , 29, 59-67	4.8	22

201	Impacts of gold nanoparticles on MHD mixed convection Poiseuille flow of nanofluid passing through a porous medium in the presence of thermal radiation, thermal diffusion and chemical reaction. <i>Neural Computing and Applications</i> , 2018 , 30, 789-797	4.8	50
200	A modern approach of Caputo-Fabrizio time-fractional derivative to MHD free convection flow of generalized second-grade fluid in a porous medium. <i>Neural Computing and Applications</i> , 2018 , 30, 1865-1875	4.8	51
199	Heat and mass transfer phenomena in the flow of Casson fluid over an infinite oscillating plate in the presence of first-order chemical reaction and slip effect. <i>Neural Computing and Applications</i> , 2018 , 30, 2159-2172	4.8	16
198	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
197	Non-coaxial rotating flow of viscous fluid with heat and mass transfer. <i>Neural Computing and Applications</i> , 2018 , 30, 2759-2769	4.8	9
196	Numerical investigation on 2D viscoelastic fluid due to exponentially stretching surface with magnetic effects: an application of non-Fourier flux theory. <i>Neural Computing and Applications</i> , 2018 , 30, 2749-2758	4.8	28
195	Thin film flow of a second grade fluid in a porous medium past a stretching sheet with heat transfer. <i>AEJ - Alexandria Engineering Journal</i> , 2018 , 57, 1019-1031	6.1	69
194	Exact solutions for free convection flow of generalized Jeffrey fluid: A Caputo-Fabrizio fractional model. <i>AEJ - Alexandria Engineering Journal</i> , 2018 , 57, 1849-1858	6.1	51
193	Exact and numerical solutions for unsteady heat and mass transfer problem of Jeffrey fluid with MHD and Newtonian heating effects. <i>Neural Computing and Applications</i> , 2018 , 30, 3491-3507	4.8	8
192	The impact of side walls on the MHD flow of a second-grade fluid through a porous medium. <i>Neural Computing and Applications</i> , 2018 , 30, 1103-1109	4.8	4
191	Homogenous-heterogeneous reactions in MHD flow of Powell-Eyring fluid over a stretching sheet with Newtonian heating. <i>Neural Computing and Applications</i> , 2018 , 30, 3581-3588	4.8	28
190	Engine oil based generalized brinkman-type nano-liquid with molybdenum disulphide nanoparticles of spherical shape: Atangana-Baleanu fractional model. <i>Numerical Methods for Partial Differential Equations</i> , 2018 , 34, 1472-1488	2.5	34
189	Soret effects on simultaneous heat and mass transfer in MHD viscous fluid through a porous medium with uniform heat flux and Atangana-Baleanu fractional derivative approach. <i>European Physical Journal Plus</i> , 2018 , 133, 1	3.1	8
188	MHD mixed convection Poiseuille flow in a porous medium: New trends of Caputo time fractional derivatives in heat transfer problems?. <i>European Physical Journal Plus</i> , 2018 , 133, 1	3.1	4
187	Application of the modern trend of fractional differentiation to the MHD flow of a generalized Casson fluid in a microchannel: Modelling and solution?. <i>European Physical Journal Plus</i> , 2018 , 133, 1	3.1	8
186	A novel technique of reduce order modelling without static correction for transient flow of non-isothermal hydrogen-natural gas mixture. <i>Results in Physics</i> , 2018 , 10, 532-540	3.7	9
185	Entropy generation in MHD mixed convection stagnation-point flow in the presence of joule and frictional heating. <i>Case Studies in Thermal Engineering</i> , 2018 , 12, 292-300	5.6	35
184	Double Convection of Unsteady MHD Non-coaxial Rotation Viscous Fluid in a Porous Medium. <i>Bulletin of the Malaysian Mathematical Sciences Society</i> , 2018 , 41, 2117-2139	1.2	7

183	Glycyrrhiza glabra HPLC fractions: identification of Aldehydo Isoophiopogonone and Liquirtigenin having activity against multidrug resistant bacteria. <i>BMC Complementary and Alternative Medicine</i> , 2018 , 18, 140	4.7	15
182	Effect of thermal radiation and chemical reaction on non-Newtonian fluid through a vertically stretching porous plate with uniform suction. <i>Results in Physics</i> , 2018 , 9, 1086-1095	3.7	17
181	Magnetite Molybdenum Disulphide Nanofluid of Grade Two: A Generalized Model with Caputo-Fabrizio Derivative 2018 ,		3
180	False Localization of Ruptured Intracranial Dermoid Secondary to Subarachnoid Spread of Cyst Contents. <i>World Neurosurgery</i> , 2018 , 119, 52-53	2.1	1
179	Region-Specific Microstructure in the Neonatal Ventricles of a Porcine Model. <i>Annals of Biomedical Engineering</i> , 2018 , 46, 2162-2176	4.7	8
178	Natural convection heat transfer in an oscillating vertical cylinder. <i>PLoS ONE</i> , 2018 , 13, e0188656	3.7	8
177	Theoretical studies of the electronic structure and magnetic properties of aluminum-rich intermetallic alloy Al ₁₃ Fe ₄ . <i>International Journal of Modern Physics B</i> , 2018 , 32, 1850201	1.1	2
176	Analysis of Stokes' Second Problem for Nanofluids Using Modern Approach of Atangana-Baleanu Fractional Derivative. <i>Journal of Nanofluids</i> , 2018 , 7, 738-747	2.2	39
175	MHD FLOW AND HEAT TRANSFER IN A CASSON FLUID OVER A NONLINEARLY STRETCHING SHEET WITH NEWTONIAN HEATING. <i>Heat Transfer Research</i> , 2018 , 49, 1185-1198	3.9	16
174	HEAT TRANSFER ANALYSIS IN MHD FLOW OF CASSON FLUID OVER A VERTICAL PLATE EMBEDDED IN A POROUS MEDIUM WITH ARBITRARY WALL SHEAR STRESS. <i>Journal of Porous Media</i> , 2018 , 21, 739-748	2.9	4
173	Natural convection in polyethylene glycol based molybdenum disulfide nanofluid with thermal radiation, chemical reaction and ramped wall temperature. <i>International Journal of Heat and Technology</i> , 2018 , 36, 619-631	2.2	11
172	Radiation and heat generation effects in magnetohydrodynamic mixed convection flow of nanofluids. <i>Thermal Science</i> , 2018 , 22, 51-62	1.2	8
171	Hemodynamic Flow in a Vertical Cylinder with Heat Transfer : Two-phase Caputo Fabrizio Fractional Model. <i>Journal of Magnetism</i> , 2018 , 23, 179-191	1.9	7
170	Bovine Tuberculosis (bTB): Prevalence and Associated Risk Factors in Large Ruminants in the Central Zone of Khyber Pakhtunkhwa, Pakistan. <i>Pakistan Journal of Zoology</i> , 2018 , 51,	1.7	2
169	First-Principles Study of Electronic Structure, Mechanical, and Thermoelectric Properties of Ternary Palladates CdPd ₃ O ₄ and TlPd ₃ O ₄ . <i>Journal of Electronic Materials</i> , 2018 , 47, 1871-1880	1.9	4
168	Esophageal Cooling Device Versus Other Temperature Modulation Devices for Therapeutic Normothermia in Subarachnoid and Intracranial Hemorrhage. <i>Therapeutic Hypothermia and Temperature Management</i> , 2018 , 8, 53-58	1.3	13
167	Heat and mass transfer in unsteady MHD slip flow of Casson fluid over a moving wedge embedded in a porous medium in the presence of chemical reaction: Numerical Solutions using Keller-Box Method. <i>Numerical Methods for Partial Differential Equations</i> , 2018 , 34, 1867-1891	2.5	6
166	Effect of magnetic field and heat source on Upper-convected-maxwell fluid in a porous channel. <i>Open Physics</i> , 2018 , 16, 917-928	1.3	17

165	Entropy Generation in MHD Eyring-Powell Fluid Flow over an Unsteady Oscillatory Porous Stretching Surface under the Impact of Thermal Radiation and Heat Source/Sink. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 2588	2.6	39
164	Shooting method analysis in wire coating withdrawing from a bath of Oldroyd 8-constant fluid with temperature dependent viscosity. <i>Open Physics</i> , 2018 , 16, 956-966	1.3	4
163	Natural convection channel flow of CMC-based CNTs nanofluid. <i>European Physical Journal Plus</i> , 2018 , 133, 1	3.1	34
162	Regional Cerebral Oximetry as an Indicator of Acute Brain Injury in Adults Undergoing Venous-Arterial Extracorporeal Membrane Oxygenation-A Prospective Pilot Study. <i>Frontiers in Neurology</i> , 2018 , 9, 993	4.1	21
161	INFLUENCE OF A POROUS MEDIUM ON THE HYDROMAGNETIC FREE CONVECTION FLOW OF MICROPOLAR FLUID WITH RADIATIVE HEAT FLUX. <i>Journal of Porous Media</i> , 2018 , 21, 123-144	2.9	5
160	Nonlinear Rosseland thermal radiation and energy dissipation effects on entropy generation in CNTs suspended nanofluids flow over a thin needle. <i>Boundary Value Problems</i> , 2018 , 2018,	2.1	21
159	Entropy Generation Minimization in MHD Boundary Layer Flow over a Slendering Stretching Sheet in the Presence of Frictional and Joule Heating. <i>Journal of the Korean Physical Society</i> , 2018 , 73, 1303-1309	0.6	14
158	HEAT GENERATION AND ABSORPTION IN MHD FLOW OF CASSON FLUID PAST A STRETCHING WEDGE WITH VISCOUS DISSIPATION AND NEWTONIAN HEATING. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2018 , 80,	1.2	3
157	Non-equilibrium Model for Nanofluid Free Convection Inside a Porous Cavity Considering Lorentz Forces. <i>Scientific Reports</i> , 2018 , 8, 16881	4.9	30
156	Effect of Moringa Oleifera Leaf Powder Supplementation on Pectoral Muscle Quality and Morphometric Characteristics of Tibia Bone in Broiler Chickens. <i>Brazilian Journal of Poultry Science</i> , 2018 , 20, 817-824	1.3	5
155	Exact solution of non-Newtonian fluid motion between side walls. <i>Results in Physics</i> , 2018 , 11, 534-539	3.7	14
154	Application of Atangana-Baleanu fractional derivative to MHD channel flow of CMC-based-CNT's nanofluid through a porous medium. <i>Chaos, Solitons and Fractals</i> , 2018 , 116, 79-85	9.3	67
153	Runge-Kutta 4-order method analysis for viscoelastic Oldroyd 8-constant fluid used as coating material for wire with temperature dependent viscosity. <i>Scientific Reports</i> , 2018 , 8, 14504	4.9	24
152	A mathematical analysis of a circular pipe in rate type fluid via Hankel transform. <i>European Physical Journal Plus</i> , 2018 , 133, 1	3.1	36
151	Continuous Vital Sign Analysis to Predict Secondary Neurological Decline After Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2018 , 9, 761	4.1	7
150	Darcy-Forchheimer flow of radiative carbon nanotubes with microstructure and inertial characteristics in the rotating frame. <i>Case Studies in Thermal Engineering</i> , 2018 , 12, 823-832	5.6	55
149	Effects of Different Shaped Nanoparticles on the Performance of Engine-Oil and Kerosene-Oil: A generalized Brinkman-Type Fluid model with Non-Singular Kernel. <i>Scientific Reports</i> , 2018 , 8, 15285	4.9	29
148	High Resolution X-Ray Phase Contrast Imaging of Maturing Cartilage.. <i>Microscopy and Microanalysis</i> , 2018 , 24, 382-383	0.5	

147	A theoretical study on the performance of a solar collector using CeO ₂ and Al ₂ O ₃ water based nanofluids with inclined plate: Atangana-Baleanu fractional model. <i>Chaos, Solitons and Fractals</i> , 2018 , 115, 135-142	9.3	22
146	An analysis of the semi-analytic solutions of a viscous fluid with old and new definitions of fractional derivatives. <i>Chinese Journal of Physics</i> , 2018 , 56, 1853-1871	3.5	13
145	Influence of wall couple stress in MHD flow of a micropolar fluid in a porous medium with energy and concentration transfer. <i>Results in Physics</i> , 2018 , 9, 1172-1184	3.7	14
144	Unsteady MHD flow of a Brinkman type fluid between two side walls perpendicular to an infinite plate. <i>Results in Physics</i> , 2018 , 9, 1602-1608	3.7	13
143	Energy transfer of Jeffrey-Hamel nanofluid flow between non-parallel walls using Maxwell-Carnetts (MG) and Brinkman models. <i>Energy Reports</i> , 2018 , 4, 393-399	4.6	32
142	MHD Flow of Sodium Alginate-Based Casson Type Nanofluid Passing Through A Porous Medium With Newtonian Heating. <i>Scientific Reports</i> , 2018 , 8, 8645	4.9	43
141	Analytical Solutions of Fractional Walters-B Fluid with Applications. <i>Complexity</i> , 2018 , 2018, 1-10	1.6	38
140	Effects of slip condition and Newtonian heating on MHD flow of Casson fluid over a nonlinearly stretching sheet saturated in a porous medium. <i>Journal of King Saud University - Science</i> , 2017 , 29, 250-259	3.6	72
139	Analysis of heat transfer for unsteady MHD free convection flow of rotating Jeffrey nanofluid saturated in a porous medium. <i>Results in Physics</i> , 2017 , 7, 288-309	3.7	36
138	A comparative study of Atangana-Baleanu and Caputo-Fabrizio fractional derivatives to the convective flow of a generalized Casson fluid. <i>European Physical Journal Plus</i> , 2017 , 132, 1	3.1	71
137	Magnetic field effect on Poiseuille flow and heat transfer of carbon nanotubes along a vertical channel filled with Casson fluid. <i>AIP Advances</i> , 2017 , 7, 015036	1.5	37
136	Comparison and analysis of the Atangana-Baleanu and Caputo-Fabrizio fractional derivatives for generalized Casson fluid model with heat generation and chemical reaction. <i>Results in Physics</i> , 2017 , 7, 789-800	3.7	152
135	Exact analysis of MHD flow of a Walters'-B fluid over an isothermal oscillating plate embedded in a porous medium. <i>European Physical Journal Plus</i> , 2017 , 132, 1	3.1	9
134	Exact solutions for unsteady free convection flow of carbon nanotubes over an oscillating vertical plate 2017 ,		3
133	Soret and Dufour effects on unsteady mixed convection slip flow of Casson fluid over a nonlinearly stretching sheet with convective boundary condition. <i>Scientific Reports</i> , 2017 , 7, 1113	4.9	13
132	Solutions with Wright Function for Time Fractional Free Convection Flow of Casson Fluid. <i>Arabian Journal for Science and Engineering</i> , 2017 , 42, 2565-2572	2.5	32
131	Heat transfer analysis in a Maxwell fluid over an oscillating vertical plate using fractional Caputo-Fabrizio derivatives. <i>European Physical Journal Plus</i> , 2017 , 132, 1	3.1	46
130	Heat and mass transport of differential type fluid with non-integer order time-fractional Caputo derivatives. <i>Journal of Molecular Liquids</i> , 2017 , 229, 67-75	6	82

129	Analysis of the heat and mass transfer in the MHD flow of a generalized Casson fluid in a porous space via non-integer order derivatives without a singular kernel. <i>Chinese Journal of Physics</i> , 2017 , 55, 1583-1595	3.5	52
128	Mixed convection flow on MHD non-coaxial rotation of second grade fluid in a porous medium 2017		2
127	Magnetohydrodynamics thin film fluid flow under the effect of thermophoresis and variable fluid properties. <i>AICHE Journal</i> , 2017 , 63, 5149-5158	3.6	10
126	Heat transfer enhancement in free convection flow of CNTs Maxwell nanofluids with four different types of molecular liquids. <i>Scientific Reports</i> , 2017 , 7, 2445	4.9	93
125	Effect of Moringa oleifera leaf powder supplementation on growth performance and intestinal morphology in broiler chickens. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2017 , 101 Suppl 1, 114-121	2.6	28
124	Reduced-order modellin for high-pressure transient flow of hydrogen-natural gas mixture. <i>European Physical Journal Plus</i> , 2017 , 132, 1	3.1	2
123	First-principle studies of the optoelectronic properties of ASnF3 (A = Na, K, Rb and Cs). <i>International Journal of Modern Physics B</i> , 2017 , 31, 1750148	1.1	12
122	Shape effects of MoS ₂ nanoparticles on MHD slip flow of molybdenum disulphide nanofluid in a porous medium. <i>Journal of Molecular Liquids</i> , 2017 , 233, 442-451	6	75
121	Emergent carotid stenting and intra-arterial abciximab in acute ischemic stroke due to tandem occlusion. <i>British Journal of Neurosurgery</i> , 2017 , 31, 573-579	1	13
120	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
119	Convection heat transfer in micropolar nanofluids with oxide nanoparticles in water, kerosene and engine oil. <i>Journal of Molecular Liquids</i> , 2017 , 229, 482-488	6	102
118	Exact solution for heat transfer free convection flow of Maxwell nanofluids with graphene nanoparticles. <i>Journal of Physics: Conference Series</i> , 2017 , 890, 012004	0.3	11
117	MHD Flow of Micropolar Fluid over an Oscillating Vertical Plate Embedded in Porous Media with Constant Temperature and Concentration. <i>Mathematical Problems in Engineering</i> , 2017 , 2017, 1-20	1.1	21
116	Punica granatum peel extracts: HPLC fractionation and LC MS analysis to quest compounds having activity against multidrug resistant bacteria. <i>BMC Complementary and Alternative Medicine</i> , 2017 , 17, 247	4.7	27
115	Analytical solution for unsteady second grade fluid in presence of non-coaxial rotation. <i>Journal of Physics: Conference Series</i> , 2017 , 890, 012040	0.3	2
114	Two-phase coating flows of a non-Newtonian fluid with linearly varying temperature at the boundariesñ exact solution. <i>Optical Engineering</i> , 2017 , 56, 075104	1.1	3
113	Unsteady MHD Falkner-Skan flow of Casson nanofluid with generative/destructive chemical reaction. <i>Chemical Engineering Science</i> , 2017 , 172, 694-706	4.4	48
112	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

111	Magnetic field effect on blood flow of Casson fluid in axisymmetric cylindrical tube: A Fractional model. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 423, 327-336	2.8	129
110	On the applications of nanofluids to enhance the performance of solar collectors: A comparative analysis of Atangana-Baleanu and Caputo-Fabrizio fractional models. <i>European Physical Journal Plus</i> , 2017 , 132, 1	3.1	44
109	Unsteady MHD free convection flow of rotating Jeffrey fluid embedded in a porous medium with ramped wall temperature. <i>Journal of Physics: Conference Series</i> , 2017 , 890, 012043	0.3	0
108	EFFECTS OF MAGNETIC FIELD ON MOLYBDENUM DISULFIDE NANOFUIDS IN MIXED CONVECTION FLOW INSIDE A CHANNEL FILLED WITH A SATURATED POROUS MEDIUM. <i>Journal of Porous Media</i> , 2017 , 20, 435-448	2.9	22
107	Application of time-fractional derivatives with non-singular kernel to the generalized convective flow of Casson fluid in a microchannel with constant walls temperature. <i>European Physical Journal: Special Topics</i> , 2017 , 226, 3791-3802	2.3	14
106	Activation of PPAR α by Oral Clofibrate Increases Renal Fatty Acid Oxidation in Developing Pigs. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	3
105	Magnetohydrodynamic Nanoliquid Thin Film Sprayed on a Stretching Cylinder with Heat Transfer. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 271	2.6	87
104	Heat Transfer Investigation of the Unsteady Thin Film Flow of Williamson Fluid Past an Inclined and Oscillating Moving Plate. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 369	2.6	6
103	The Brownian and Thermophoretic Analysis of the Non-Newtonian Williamson Fluid Flow of Thin Film in a Porous Space over an Unstable Stretching Surface. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 404	2.6	10
102	Entropy Generation in Magnetohydrodynamic Mixed Convection Flow over an Inclined Stretching Sheet. <i>Entropy</i> , 2017 , 19, 10	2.8	20
101	Atangana-Baleanu and Caputo Fabrizio Analysis of Fractional Derivatives for Heat and Mass Transfer of Second Grade Fluids over a Vertical Plate: A Comparative Study. <i>Entropy</i> , 2017 , 19, 279	2.8	55
100	Analysis of Entropy Generation in Flow of Methanol-Based Nanofluid in a Sinusoidal Wavy Channel. <i>Entropy</i> , 2017 , 19, 490	2.8	28
99	Dufour and Soret Effect with Thermal Radiation on the Nano Film Flow of Williamson Fluid Past Over an Unsteady Stretching Sheet. <i>Journal of Nanofluids</i> , 2017 , 6, 243-253	2.2	6
98	Heat Transfer in Magnetohydrodynamic Flow of a Casson Fluid with Porous Medium and Newtonian Heating. <i>Journal of Nanofluids</i> , 2017 , 6, 784-793	2.2	10
97	UNSTEADY MHD FLOW OF SECOND-GRADE FLUID OVER AN OSCILLATING VERTICAL PLATE WITH ISOTHERMAL TEMPERATURE IN A POROUS MEDIUM WITH HEAT AND MASS TRANSFER BY USING THE LAPLACE TRANSFORM TECHNIQUE. <i>Journal of Porous Media</i> , 2017 , 20, 671-690	2.9	10
96	Magnetohydrodynamic flow of brinkman-type engine oil based MoS ₂ -nanofluid in a rotating disk with hall effect. <i>International Journal of Heat and Technology</i> , 2017 , 35, 893-902	2.2	7
95	Unsteady free convection flow of a micropolar fluid with Newtonian heating: Closed form solution. <i>Thermal Science</i> , 2017 , 21, 2313-2326	1.2	12
94	Treatment of intracerebral hemorrhage: a selective review and future directions. <i>Journal of Neurosurgical Sciences</i> , 2017 , 61, 523-535	1.3	4

93	MHD flow of water-based Brinkman type nanofluid over a vertical plate embedded in a porous medium with variable surface velocity, temperature and concentration. <i>Journal of Molecular Liquids</i> , 2016 , 223, 412-419	6	78
92	Flow and heat transfer of two immiscible fluids in double-layer optical fiber coating 2016 , 13, 1055-1063		15
91	Heat transfer in ferrofluid with cylindrical shape nanoparticles past a vertical plate with ramped wall temperature embedded in a porous medium. <i>Journal of Molecular Liquids</i> , 2016 , 221, 1175-1183	6	39
90	Application of Caputo-Fabrizio derivatives to MHD free convection flow of generalized WaltersEB fluid model. <i>European Physical Journal Plus</i> , 2016 , 131, 1	3.1	135
89	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
88	Unsteady flow of generalized Casson fluid with fractional derivative due to an infinite plate. <i>European Physical Journal Plus</i> , 2016 , 131, 1	3.1	50
87	A Mathematical Study of an Epidemic Disease Model Spread by Rumors. <i>Journal of Computational and Theoretical Nanoscience</i> , 2016 , 13, 2856-2866	0.3	3
86	Heat Transfer in Eccentric-Concentric Rotation of a Disk and Fluid at Infinity. <i>Journal of Computational and Theoretical Nanoscience</i> , 2016 , 13, 6482-6487	0.3	2
85	Unsteady MHD Mixed Convection Slip Flow of Casson Fluid over Nonlinearly Stretching Sheet Embedded in a Porous Medium with Chemical Reaction, Thermal Radiation, Heat Generation/Absorption and Convective Boundary Conditions. <i>PLoS ONE</i> , 2016 , 11, e0165348	3.7	38
84	A NOTE ON ENTROPY GENERATION IN MHD FLOW OVER A VERTICAL PLATE EMBEDDED IN A POROUS MEDIUM WITH ARBITRARY SHEAR STRESS AND RAMPED TEMPERATURE. <i>Journal of Porous Media</i> , 2016 , 19, 175-187	2.9	15
83	Slip effects on unsteady free convective heat and mass transfer flow with Newtonian heating. <i>Thermal Science</i> , 2016 , 20, 1939-1852	1.2	6
82	Flow of an Eyring-Powell fluid over a stretching sheet in presence of chemical reaction. <i>Thermal Science</i> , 2016 , 20, 1903-1912	1.2	8
81	Current Therapeutic Techniques and Nanophotolysis Approach for Treatment of Breast Cancer. <i>Journal of Computational and Theoretical Nanoscience</i> , 2016 , 13, 8638-8641	0.3	
80	UNSTEADY MHD FLOW OF SOME NANOFLUIDS PAST AN ACCELERATED VERTICAL PLATE EMBEDDED IN A POROUS MEDIUM. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016 , 78,	1.2	12
79	Influence of Thermal Radiation on Unsteady MHD Free Convection Flow of Jeffrey Fluid over a Vertical Plate with Ramped Wall Temperature. <i>Mathematical Problems in Engineering</i> , 2016 , 2016, 1-12	1.1	13
78	Thin Film Williamson Nanofluid Flow with Varying Viscosity and Thermal Conductivity on a Time-Dependent Stretching Sheet. <i>Applied Sciences (Switzerland)</i> , 2016 , 6, 334	2.6	28
77	The impact silver nanoparticles on MHD free convection flow of Jeffrey fluid over an oscillating vertical plate embedded in a porous medium. <i>Journal of Molecular Liquids</i> , 2016 , 222, 138-150	6	73
76	MHD Natural Convection Flow of Casson Nanofluid over Nonlinearly Stretching Sheet Through Porous Medium with Chemical Reaction and Thermal Radiation. <i>Nanoscale Research Letters</i> , 2016 , 11, 527	5	39

75	Heat and mass transfer of unsteady MHD free convection flow of second grade fluid with Newtonian heating 2016 ,		1
74	Thermal radiation in unsteady MHD free convection flow of Jeffrey fluid with ramped wall temperature 2016 ,		4
73	Molybdenum disulfide nanoparticles suspended in water-based nanofluids with mixed convection and flow inside a channel filled with saturated porous medium 2016 ,		24
72	Unsteady free convection flow of rotating MHD second grade fluid in a porous medium over an oscillating plate 2016 ,		2
71	Exact solutions for unsteady free convection flow over an oscillating plate due to non-coaxial rotation. <i>SpringerPlus</i> , 2016 , 5, 2090		8
70	Interaction of magnetic field with heat and mass transfer in free convection flow of a Walters fluid. <i>European Physical Journal Plus</i> , 2016 , 131, 1	3.1	6
69	Hydromagnetic Falkner-Skan flow of Casson fluid past a moving wedge with heat transfer. <i>AEJ - Alexandria Engineering Journal</i> , 2016 , 55, 2139-2148	6.1	29
68	Solutions with special functions for time fractional free convection flow of Brinkman-type fluid. <i>European Physical Journal Plus</i> , 2016 , 131, 1	3.1	49
67	Unsteady thin film flow of a fourth grade fluid over a vertical moving and oscillating belt. <i>Propulsion and Power Research</i> , 2016 , 5, 223-235	3.6	6
66	New version of Optimal Homotopy Asymptotic Method for the solution of nonlinear boundary value problems in finite and infinite intervals. <i>AEJ - Alexandria Engineering Journal</i> , 2016 , 55, 2811-2819	6.1	13
65	Unsteady MHD free convection flow of Casson fluid past over an oscillating vertical plate embedded in a porous medium 2015 , 18, 309-317		83
64	Closed-form solutions for accelerated MHD flow of a generalized Burgers fluid in a rotating frame and porous medium. <i>Boundary Value Problems</i> , 2015 , 2015,	2.1	4
63	Exact solutions for free convection flow of nanofluids with ramped wall temperature. <i>European Physical Journal Plus</i> , 2015 , 130, 1	3.1	65
62	A Note on Exact Solutions for the Unsteady Free Convection Flow of a Jeffrey Fluid. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2015 , 70, 397-401	1.4	21
61	Exact Solutions for Unsteady Free Convection Flow of Casson Fluid over an Oscillating Vertical Plate with Constant Wall Temperature. <i>Abstract and Applied Analysis</i> , 2015 , 2015, 1-8	0.7	14
60	Conjugate transfer of heat and mass in unsteady flow of a micropolar fluid with wall couple stress. <i>AIP Advances</i> , 2015 , 5, 127125	1.5	8
59	Unsteady magnetohydrodynamics mixed convection flow in a rotating medium with double diffusion 2015 ,		2
58	Thermal-diffusion effects on mixed convection flow in a heat absorbing fluid with Newtonian heating and chemical reaction 2015 ,		1

57	Temperature Dependent Viscosity of a Third Order Thin Film Fluid Layer on a Lubricating Vertical Belt. <i>Abstract and Applied Analysis</i> , 2015 , 2015, 1-13	0.7	
56	Influence of Slip Condition on Unsteady Free Convection Flow of Viscous Fluid with Ramped Wall Temperature. <i>Abstract and Applied Analysis</i> , 2015 , 2015, 1-7	0.7	13
55	Exact Solutions of Heat and Mass Transfer with MHD Flow in a Porous Medium under Time Dependent Shear Stress and Temperature. <i>Abstract and Applied Analysis</i> , 2015 , 2015, 1-16	0.7	2
54	Second Grade Fluid for Rotating MHD of an Unsteady Free Convection Flow in a Porous Medium. <i>Defect and Diffusion Forum</i> , 2015 , 362, 100-107	0.7	9
53	Analysis of thin film flow over a vertical oscillating belt with a second grade fluid 2015 , 18, 207-217		6
52	Energy Transfer in Mixed Convection MHD Flow of Nanofluid Containing Different Shapes of Nanoparticles in a Channel Filled with Saturated Porous Medium. <i>Nanoscale Research Letters</i> , 2015 , 10, 490	5	87
51	Unsteady MHD Thin Film Flow of an Oldroyd-B Fluid over an Oscillating Inclined Belt. <i>PLoS ONE</i> , 2015 , 10, e0126698	3.7	20
50	Heat Transfer in MHD Mixed Convection Flow of a Ferrofluid along a Vertical Channel. <i>PLoS ONE</i> , 2015 , 10, e0141213	3.7	49
49	Rotating MHD flow of a generalized burgers fluid over an oscillating plate embedded in a porous medium. <i>Thermal Science</i> , 2015 , 19, 183-190	1.2	8
48	Unsteady boundary layer MHD free convection flow in a porous medium with constant mass diffusion and Newtonian heating. <i>European Physical Journal Plus</i> , 2014 , 129, 1	3.1	79
47	Exact solutions for unsteady flow of second grade fluid generated by oscillating wall with transpiration. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2014 , 35, 821-830	3.2	7
46	Thin film flow in MHD third grade fluid on a vertical belt with temperature dependent viscosity. <i>PLoS ONE</i> , 2014 , 9, e97552	3.7	19
45	Heat transfer analysis of MHD thin film flow of an unsteady second grade fluid past a vertical oscillating belt. <i>PLoS ONE</i> , 2014 , 9, e103843	3.7	18
44	Epidemic Model of Leptospirosis Containing Fractional Order. <i>Abstract and Applied Analysis</i> , 2014 , 2014, 1-8	0.7	2
43	Effects of Wall Shear Stress on MHD Conjugate Flow over an Inclined Plate in a Porous Medium with Ramped Wall Temperature. <i>Mathematical Problems in Engineering</i> , 2014 , 2014, 1-15	1.1	18
42	Rotation effects on coupled heat and mass transfer by unsteady MHD free convection flow in a porous medium past an infinite inclined plate 2014 ,		5
41	Unsteady boundary layer flow and heat transfer of a Casson fluid past an oscillating vertical plate with Newtonian heating. <i>PLoS ONE</i> , 2014 , 9, e108763	3.7	50
40	Closed form solutions for unsteady free convection flow of a second grade fluid over an oscillating vertical plate. <i>PLoS ONE</i> , 2014 , 9, e85099	3.7	36

39	Unsteady magnetohydrodynamic free convection flow of a second grade fluid in a porous medium with ramped wall temperature. <i>PLoS ONE</i> , 2014 , 9, e88766	3.7	41
38	Effects of wall shear stress on unsteady MHD conjugate flow in a porous medium with ramped wall temperature. <i>PLoS ONE</i> , 2014 , 9, e90280	3.7	15
37	NATURAL CONVECTION FLOW PAST AN OSCILLATING PLATE WITH NEWTONIAN HEATING. <i>Heat Transfer Research</i> , 2014 , 45, 119-135	3.9	41
36	FREE CONVECTION FLOW OF A SECOND-GRADE FLUID WITH RAMPED WALL TEMPERATURE. <i>Heat Transfer Research</i> , 2014 , 45, 579-588	3.9	12
35	Heat transfer in a micropolar fluid over a stretching sheet with Newtonian heating. <i>PLoS ONE</i> , 2013 , 8, e59393	3.7	73
34	Heat Transfer and Mass Diffusion in Nanofluids over a Moving Permeable Convective Surface. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-7	1.1	13
33	Heat and Mass Transfer with Free Convection MHD Flow Past a Vertical Plate Embedded in a Porous Medium. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-13	1.1	17
32	Influence of Thermal Radiation on Unsteady Free Convection MHD Flow of Brinkman Type Fluid in a Porous Medium with Newtonian Heating. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-13	1.1	8
31	Radiation and Magnetohydrodynamics Effects on Unsteady Free Convection Flow in a Porous Medium. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-7	1.1	6
30	An Exact Analysis of Heat and Mass Transfer Past a Vertical Plate with Newtonian Heating. <i>Journal of Applied Mathematics</i> , 2013 , 2013, 1-9	1.1	29
29	Exact Solutions for Unsteady Magnetohydrodynamic Oscillatory Flow of a Maxwell Fluid in a Porous Medium. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2013 , 68, 635-645	1.4	28
28	Stokes' second problem for magnetohydrodynamics flow in a Burgers' fluid: the cases $\frac{\mu}{\rho} = \frac{\eta}{4}$ and $\frac{\mu}{\rho} = \frac{\eta}{4}$. <i>PLoS ONE</i> , 2013 , 8, e61531	3.7	8
27	Conjugate effects of heat and mass transfer on MHD free convection flow over an inclined plate embedded in a porous medium. <i>PLoS ONE</i> , 2013 , 8, e65223	3.7	27
26	CLOSED-FORM SOLUTIONS FOR UNSTEADY MAGNETOHYDRODYNAMIC FLOW IN A POROUS MEDIUM WITH WALL TRANSPIRATION. <i>Journal of Porous Media</i> , 2013 , 16, 795-809	2.9	6
25	New exact solutions of Stokes' second problem for an MHD second grade fluid in a porous space. <i>International Journal of Non-Linear Mechanics</i> , 2012 , 47, 521-525	2.8	30
24	Magnetohydrodynamic Rotating Flow of a Generalized Burgers' Fluid in a Porous Medium with Hall Current. <i>Transport in Porous Media</i> , 2012 , 91, 49-58	3.1	13
23	Unsteady Magnetohydrodynamic Oscillatory Flow of Viscoelastic Fluids in a Porous Channel with Heat and Mass Transfer. <i>Journal of the Physical Society of Japan</i> , 2012 , 81, 064402	1.5	22
22	A Note on New Exact Solutions for Some Unsteady Flows of Brinkman- Type Fluids over a Plane Wall. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2012 , 67, 377-380	1.4	20

21	Radiation and Porosity Effects on the Magnetohydrodynamic Flow Past an Oscillating Vertical Plate with Uniform Heat Flux. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2012 , 67, 572-580	1.4	9
20	MHD Free Convection Flow in a Porous Medium with Thermal Diffusion and Ramped Wall Temperature. <i>Journal of the Physical Society of Japan</i> , 2012 , 81, 044401	1.5	14
19	HYDROMAGNETIC ROTATING FLOWS OF AN OLDROYD-B FLUID IN A POROUS MEDIUM. <i>Special Topics and Reviews in Porous Media</i> , 2012 , 3, 89-95	2.5	24
18	On the computation of analytical solutions of an unsteady magnetohydrodynamics flow of a third grade fluid with Hall effects. <i>Computers and Mathematics With Applications</i> , 2011 , 61, 980-987	2.7	13
17	Magnetohydrodynamic Free Convection Flow Past an Oscillating Plate Embedded in a Porous Medium. <i>Journal of the Physical Society of Japan</i> , 2011 , 80, 104401	1.5	18
16	Effects of Hall Current and Mass Transfer on the Unsteady Magnetohydrodynamic Flow in a Porous Channel. <i>Journal of the Physical Society of Japan</i> , 2011 , 80, 064401	1.5	13
15	Some MHD Flows of a Second Grade Fluid through the Porous Medium. <i>Journal of Porous Media</i> , 2008 , 11, 389-400	2.9	41
14	Comparative thermal transport mechanism in Cu-H ₂ O and Cu-Al ₂ O ₃ /H ₂ O nanofluids: numerical investigation. <i>Waves in Random and Complex Media</i> ,1-16	1.9	5
13	Analysis of Heat Transfer in Non-Coaxial Rotation of Newtonian Carbon Nanofluid Flow with Magnetohydrodynamics and Porosity Effects		1
12	Mechanical and thermal energies transport flow of a second grade fluid with novel fractional derivative. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> ,095440892110535	1.5	1
11	Transient Oscillatory Flows of a Generalized Burgers' Fluid in a Rotating Frame. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> ,68a, 305-309	1.4	5
10	Thermal analysis of MHD convective slip transport of fractional Oldroyd-B fluid over a plate. <i>Mechanics of Time-Dependent Materials</i> ,1	1.2	0
9	A fractional model of Casson fluid with ramped wall temperature: Engineering applications of engine oil. <i>Computational and Mathematical Methods</i> ,e1162	0.9	8
8	Optimizing the Performance of Neural Network for Bladder Cancer Prediction and Diagnosis Using Intelligent Firefly. <i>Arabian Journal for Science and Engineering</i> ,1	2.5	
7	Heat transfer enhancement and entropy generation of two working fluids of MHD flow with titanium alloy nanoparticle in Darcy medium. <i>Journal of Thermal Analysis and Calorimetry</i> ,1	4.1	1
6	Dynamics of water conveying copper and alumina nanomaterials when viscous dissipation and thermal radiation are significant: Single-phase model with multiple solutions. <i>Mathematical Methods in the Applied Sciences</i> ,	2.3	4
5	Numerical analysis of entropy generation and induced magnetic field on unsteady stagnation flow with suction/injection. <i>Numerical Heat Transfer, Part B: Fundamentals</i> ,1-17	1.3	3
4	Cattaneo-Christov double diffusion and bioconvection in magnetohydrodynamic three-dimensional nanomaterials of non-Newtonian fluid containing microorganisms with variable thermal conductivity and thermal diffusivity. <i>Waves in Random and Complex Media</i> ,1-20	1.9	0

3	Numerical analysis of Cattaneo-Christov heat flux model over magnetic couple stress Casson nanofluid flow by Lavenberg-Marquard backpropagated neural networks. <i>Waves in Random and Complex Media</i> ,1-28	1.9	1
2	Hemodynamics of blood flow over an inclined cylinder. <i>Waves in Random and Complex Media</i> ,1-12	1.9	
1	A time-fractional model of free convection electro-osmotic flow of Casson fluid through a microchannel using generalized Fourier and Fick law. <i>Waves in Random and Complex Media</i> ,1-20	1.9	0