

Zahir Shah

List of Publications by Year in descending order

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331
papers

14,258
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29928

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98
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all docs

349
docs citations

349
times ranked

12608
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of thermal radiation on magnetohydrodynamics nanofluid flow and heat transfer by means of two phase model. Journal of Magnetism and Magnetic Materials, 2015, 374, 36-43.	2.3	738
2	Numerical simulation for solidification in a LHTESS by means of nano-enhanced PCM. Journal of the Taiwan Institute of Chemical Engineers, 2018, 86, 25-41.	5.3	375
3	Simulation of nanofluid heat transfer in presence of magnetic field: A review. International Journal of Heat and Mass Transfer, 2017, 115, 1203-1233.	4.9	347
4	Simulation of MHD CuO-water nanofluid flow and convective heat transfer considering Lorentz forces. Journal of Magnetism and Magnetic Materials, 2014, 369, 69-80.	2.3	340
5	Numerical simulation of magnetic nanofluid natural convection in porous media. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 494-503.	2.2	340
6	Nanofluid flow and heat transfer between parallel plates considering Brownian motion using DTM. Computer Methods in Applied Mechanics and Engineering, 2015, 283, 651-663.	6.7	314
7	Numerical simulation of MHD nanofluid flow and heat transfer considering viscous dissipation. International Journal of Heat and Mass Transfer, 2014, 79, 212-222.	4.9	265
8	Simulation of CuO-water nanofluid heat transfer enhancement in presence of melting surface. International Journal of Heat and Mass Transfer, 2018, 116, 909-919.	4.9	250
9	Magnetohydrodynamic nanofluid forced convection in a porous lid driven cubic cavity using Lattice Boltzmann method. Journal of Molecular Liquids, 2017, 231, 555-565.	5.0	231
10	Flow and convective heat transfer of a ferro-nanofluid in a double-sided lid-driven cavity with a wavy wall in the presence of a variable magnetic field. Numerical Heat Transfer; Part A: Applications, 2016, 69, 1186-1200.	2.1	227
11	Mesoscopic method for MHD nanofluid flow inside a porous cavity considering various shapes of nanoparticles. International Journal of Heat and Mass Transfer, 2017, 113, 106-114.	4.9	210
12	Ferrofluid flow and heat transfer in a semi annulus enclosure in the presence of magnetic source considering thermal radiation. Journal of the Taiwan Institute of Chemical Engineers, 2015, 47, 6-17.	5.3	208
13	Magnetic field influence on CuO-H ₂ O nanofluid convective flow in a permeable cavity considering various shapes for nanoparticles. International Journal of Hydrogen Energy, 2017, 42, 19611-19621.	7.2	205
14	Fe ₃ O ₄ -H ₂ O nanofluid natural convection in presence of thermal radiation. International Journal of Hydrogen Energy, 2017, 42, 5708-5718.	7.2	197
15	The electrical MHD and Hall current impact on micropolar nanofluid flow between rotating parallel plates. Results in Physics, 2018, 9, 1201-1214.	4.2	188
16	Electrohydrodynamic free convection heat transfer of a nanofluid in a semi-annulus enclosure with a sinusoidal wall. Numerical Heat Transfer; Part A: Applications, 2016, 69, 781-793.	2.1	185
17	Radiative MHD Casson Nanofluid Flow with Activation energy and chemical reaction over past nonlinearly stretching surface through Entropy generation. Scientific Reports, 2020, 10, 4402.	3.4	162
18	CVFEM for magnetic nanofluid convective heat transfer in a porous curved enclosure. European Physical Journal Plus, 2016, 131, 1.	2.6	155

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19	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.	9.5	153
20	Numerical investigation for rotating flow of MHD hybrid nanofluid with thermal radiation over a stretching sheet. <i>Scientific Reports</i> , 2020, 10, 18533.	3.4	152
21	Radiative Heat and Mass Transfer Analysis of Micropolar Nanofluid Flow of Casson Fluid Between Two Rotating Parallel Plates With Effects of Hall Current. <i>Journal of Heat Transfer</i> , 2019, 141, .	2.3	151
22	Heat and mass transfer together with hybrid nanofluid flow over a rotating disk. <i>AIP Advances</i> , 2020, 10, .	1.3	141
23	EFFECTS OF MAGNETOHYDRODYNAMICS ON PERISTALTIC FLOW OF JEFFREY FLUID IN A RECTANGULAR DUCT THROUGH A POROUS MEDIUM. <i>Journal of Porous Media</i> , 2014, 17, 143-157.	2.0	127
24	A stochastic numerical analysis based on hybrid NAR-RBFs networks nonlinear SITR model for novel COVID-19 dynamics. <i>Computer Methods and Programs in Biomedicine</i> , 2021, 202, 105973.	4.9	118
25	Entropy generation on magneto-convective flow of copper-water nanofluid in a cavity with chamfers. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 2203-2214.	3.6	115
26	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.	3.4	105
27	Numerical analysis of 3-D MHD hybrid nanofluid over a rotational disk in presence of thermal radiation with Joule heating and viscous dissipation effects using Lobatto IIIA technique. <i>AJ - Alexandria Engineering Journal</i> , 2021, 60, 3605-3619.	6.7	103
28	Measurement of multi-particle azimuthal correlations in pp, p+Pb and low-multiplicity Pb+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 428.	4.0	91
29	Design of Neural Network With Levenberg-Marquardt and Bayesian Regularization Backpropagation for Solving Pantograph Delay Differential Equations. <i>IEEE Access</i> , 2020, 8, 137918-137933.	4.4	87
30	Three-dimensional rotating flow of MHD single wall carbon nanotubes over a stretching sheet in presence of thermal radiation. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 1361-1378.	3.1	84
31	Radiative MHD thin film flow of Williamson fluid over an unsteady permeable stretching sheet. <i>Heliyon</i> , 2018, 4, e00825.	3.3	83
32	Impact of thermal radiation on electrical MHD rotating flow of Carbon nanotubes over a stretching sheet. <i>AIP Advances</i> , 2019, 9, .	1.3	83
33	Magnetic Dipole Impact on the Hybrid Nanofluid Flow over an Extending Surface. <i>Scientific Reports</i> , 2020, 10, 8474.	3.4	83
34	Entropy generation and thermal analysis for rotary motion of hydromagnetic Casson nanofluid past a rotating cylinder with Joule heating effect. <i>International Communications in Heat and Mass Transfer</i> , 2020, 119, 104979.	5.7	81
35	Three dimensional third grade nanofluid flow in a rotating system between parallel plates with Brownian motion and thermophoresis effects. <i>Results in Physics</i> , 2018, 10, 36-45.	4.2	79
36	Nonlinear thermal radiation and cubic autocatalysis chemical reaction effects on the flow of stretched nanofluid under rotational oscillations. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 253-265.	9.6	78

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37	Simulation of bioconvection in the suspension of second grade nanofluid containing nanoparticles and gyrotactic microorganisms. AIP Advances, 2018, 8, .	1.3	78
38	Entropy generation in MHD Casson fluid flow with variable heat conductance and thermal conductivity over non-linear bi-directional stretching surface. Scientific Reports, 2020, 10, 12530.	3.4	76
39	Darcy Forchheimer nanofluid thin film flow of SWCNTs and heat transfer analysis over an unsteady stretching sheet. AIP Advances, 2019, 9, .	1.3	74
40	Slip flow of Eyring-Powell nanoliquid film containing graphene nanoparticles. AIP Advances, 2018, 8, .	1.3	73
41	Micropolar gold blood nanofluid flow and radiative heat transfer between permeable channels. Computer Methods and Programs in Biomedicine, 2020, 186, 105197.	4.9	73
42	Preparation, characterization and photocatalytic properties of Ag ₂ Zn ₄ /AgI nanocomposites via a new simple hydrothermal approach. Journal of Molecular Liquids, 2017, 225, 645-651.	5.0	71
43	Entropy Analysis on Electro-Kinetically Modulated Peristaltic Propulsion of Magnetized Nanofluid Flow through a Microchannel. Entropy, 2017, 19, 481.	2.3	71
44	The Combined Magneto Hydrodynamic and Electric Field Effect on an Unsteady Maxwell Nanofluid Flow over a Stretching Surface under the Influence of Variable Heat and Thermal Radiation. Applied Sciences (Switzerland), 2018, 8, 160.	2.6	70
45	Radiative mixed convection flow of maxwell nanofluid over a stretching cylinder with joule heating and heat source/sink effects. Scientific Reports, 2020, 10, 17823.	3.4	70
46	Brownian Motion and Thermophoresis Effects on MHD Mixed Convective Thin Film Second-Grade Nanofluid Flow with Hall Effect and Heat Transfer Past a Stretching Sheet. Journal of Nanofluids, 2017, 6, 812-829.	2.9	70
47	The Rotating Flow of Magneto Hydrodynamic Carbon Nanotubes over a Stretching Sheet with the Impact of Non-Linear Thermal Radiation and Heat Generation/Absorption. Applied Sciences (Switzerland), 2018, 8, 482.	2.6	69
48	Nanofluids Thin Film Flow of Reiner-Philippoff Fluid over an Unstable Stretching Surface with Brownian Motion and Thermophoresis Effects. Coatings, 2019, 9, 21.	2.7	68
49	Entropy generation in electrical magnetohydrodynamic flow of Al ₂ O ₃ -Cu/H ₂ O hybrid nanofluid with non-uniform heat flux. Journal of Thermal Analysis and Calorimetry, 2021, 143, 2135-2148.	3.6	68
50	Entropy Generation in MHD Radiative Flow of CNTs Casson Nanofluid in Rotating Channels with Heat Source/Sink. Mathematical Problems in Engineering, 2019, 2019, 1-14.	1.2	67
51	MHD Thin Film Flow and Thermal Analysis of Blood with CNTs Nanofluid. Coatings, 2019, 9, 175.	2.7	65
52	Cattaneo-Christov model for electrical magnetite micropolar Casson ferrofluid over a stretching/shrinking sheet using effective thermal conductivity model. Case Studies in Thermal Engineering, 2019, 13, 100352.	5.8	65
53	Entropy generation optimization in MHD pseudoplastic fluid comprising motile microorganisms with stratification effect. AEJ - Alexandria Engineering Journal, 2020, 59, 485-496.	6.7	64
54	Impact of Nonlinear Thermal Radiation on MHD Nanofluid Thin Film Flow over a Horizontally Rotating Disk. Applied Sciences (Switzerland), 2019, 9, 1533.	2.6	63

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55	Magnetic nanofluid natural convection in the presence of thermal radiation considering variable viscosity. <i>European Physical Journal Plus</i> , 2017, 132, 1.	2.6	62
56	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.	5.7	62
57	MHD Effects on Ciliary-Induced Peristaltic Flow Coatings with Rheological Hybrid Nanofluid. <i>Coatings</i> , 2020, 10, 186.	2.7	62
58	Influences of electrical MHD and Hall current on squeezing nanofluid flow inside rotating porous plates with viscous and joule dissipation effects. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 1215-1227.	3.6	60
59	Implementation of the One-Step One-Hybrid Block Method on the Nonlinear Equation of a Circular Sector Oscillator. <i>Computational Mathematics and Modeling</i> , 2020, 31, 116-132.	0.5	60
60	Analysis of hybrid nanofluid behavior within a porous cavity including Lorentz forces and radiation impacts. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 1129-1137.	3.6	59
61	Onset of gyrotactic microorganisms in MHD Micropolar nanofluid flow with partial slip and double stratification. <i>Journal of King Saud University - Science</i> , 2020, 32, 2741-2751.	3.6	58
62	Influences of Hall current and radiation on MHD micropolar non-Newtonian hybrid nanofluid flow between two surfaces. <i>AIP Advances</i> , 2020, 10, .	1.3	58
63	Unsteady hybrid-nanofluid flow comprising ferrousoxide and CNTs through porous horizontal channel with dilating/squeezing walls. <i>Scientific Reports</i> , 2021, 11, 12637.	3.4	57
64	Influence of Inclined Magnetic Field on Carreau Nanoliquid Thin Film Flow and Heat Transfer with Graphene Nanoparticles. <i>Energies</i> , 2019, 12, 1459.	3.2	56
65	Bi-parametric distance and similarity measures of picture fuzzy sets and their applications in medical diagnosis. <i>Egyptian Informatics Journal</i> , 2021, 22, 201-212.	6.8	56
66	Entropy Generation on Nanofluid Thin Film Flow of Eyring-Powell Fluid with Thermal Radiation and MHD Effect on an Unsteady Porous Stretching Sheet. <i>Entropy</i> , 2018, 20, 412.	2.3	55
67	Chemically reactive MHD micropolar nanofluid flow with velocity slips and variable heat source/sink. <i>Scientific Reports</i> , 2020, 10, 20926.	3.4	55
68	A convective flow of Williamson nanofluid through cone and wedge with non-isothermal and non-isosolutal conditions: A revised Buongiorno model. <i>Case Studies in Thermal Engineering</i> , 2021, 24, 100869.	5.8	55
69	Darcy-Forchheimer flow of MHD nanofluid thin film flow with Joule dissipation and Navier's partial slip. <i>Journal of Physics Communications</i> , 2018, 2, 115014.	1.2	54
70	Darcy-Forchheimer MHD Hybrid Nanofluid Flow and Heat Transfer Analysis over a Porous Stretching Cylinder. <i>Coatings</i> , 2020, 10, 391.	2.7	54
71	Nonlinear fractional mathematical model of tuberculosis (TB) disease with incomplete treatment under Atangana-Baleanu derivative. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 2845-2856.	6.7	54
72	Joule heating in magnetohydrodynamic micropolar boundary layer flow past a stretching sheet with chemical reaction and microstructural slip. <i>Case Studies in Thermal Engineering</i> , 2021, 25, 100870.	5.8	54

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73	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, 139.	2.3	54
74	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.	2.3	53
75	Distance and Similarity Measures for Spherical Fuzzy Sets and Their Applications in Selecting Mega Projects. <i>Mathematics</i> , 2020, 8, 519.	2.3	53
76	Fractional order mathematical modeling of typhoid fever disease. <i>Results in Physics</i> , 2022, 32, 105044.	4.2	53
77	Magnetized mixed convection hybrid nanofluid with effect of heat generation/absorption and velocity slip condition. <i>Heliyon</i> , 2023, 9, e13189.	3.3	53
78	Three-Dimensional Nanofluid Flow with Heat and Mass Transfer Analysis over a Linear Stretching Surface with Convective Boundary Conditions. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2244.	2.6	52
79	The Intestinal Microbiota: Impacts of Antibiotics Therapy, Colonization Resistance, and Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6597.	4.2	52
80	Hall current and thermophoresis effects on magnetohydrodynamic mixed convective heat and mass transfer thin film flow. <i>Journal of Physics Communications</i> , 2019, 3, 035009.	1.2	51
81	Non Pharmaceutical Interventions for Optimal Control of COVID-19. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 196, 105642.	4.9	51
82	Unsteady squeezing flow of magnetohydrodynamic carbon nanotube nanofluid in rotating channels with entropy generation and viscous dissipation. <i>Advances in Mechanical Engineering</i> , 2019, 11, 168781401882310.	1.6	50
83	Hall Effect on Couple Stress 3D Nanofluid Flow Over an Exponentially Stretched Surface With Cattaneo Christov Heat Flux Model. <i>IEEE Access</i> , 2019, 7, 64844-64855.	4.4	50
84	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	49
85	Study of two-dimensional boundary layer thin film fluid flow with variable thermo-physical properties in three dimensions space. <i>AIP Advances</i> , 2018, 8, .	1.3	46
86	Three-Dimensional Casson Nanofluid Thin Film Flow over an Inclined Rotating Disk with the Impact of Heat Generation/Consumption and Thermal Radiation. <i>Coatings</i> , 2019, 9, 248.	2.7	45
87	Lorentz force impact on hybrid nanofluid within a porous tank including entropy generation. <i>International Communications in Heat and Mass Transfer</i> , 2020, 116, 104635.	5.7	45
88	Investigation of entropy generation in stratified MHD Carreau nanofluid with gyrotactic microorganisms under Von Neumann similarity transformations. <i>European Physical Journal Plus</i> , 2020, 135, 1.	2.6	44
89	Darcy-Forchheimer flow of MHD CNTs nanofluid radiative thermal behaviour and convective non uniform heat source/sink in the rotating frame with microstructure and inertial characteristics. <i>AIP Advances</i> , 2018, 8, .	1.3	43
90	Optimization of entropy generation in flow of micropolar mixed convective magnetite (Fe ₃ O ₄) ferroparticle over a vertical plate. <i>AEJ - Alexandria Engineering Journal</i> , 2019, 58, 1461-1470.	6.7	43

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91	Integration of Reed-Solomon codes to lcklider transmission protocol (LTP) for space DTN. IEEE Aerospace and Electronic Systems Magazine, 2017, 32, 48-55.	2.3	42
92	Entropy optimization in Darcy–Forchheimer MHD flow of water based copper and silver nanofluids with Joule heating and viscous dissipation effects. AIP Advances, 2020, 10, .	1.3	42
93	Brownian Motion and Thermophoresis Effects on MHD Three Dimensional Nanofluid Flow with Slip Conditions and Joule Dissipation Due to Porous Rotating Disk. Molecules, 2020, 25, 729.	3.9	42
94	Computational analysis of radiative engine oil-based Prandtl–Eyring hybrid nanofluid flow with variable heat transfer using the Cattaneo–Christov heat flux model. RSC Advances, 2023, 13, 3552-3560.	3.7	42
95	Recent diagnostic developments at Nova (invited). Review of Scientific Instruments, 1992, 63, 4688-4694.	1.4	41
96	Single agent and synergistic combinatorial efficacy of first-in-class small molecule imipridone ONC201 in hematological malignancies. Cell Cycle, 2018, 17, 468-478.	2.8	39
97	Modeling and Control of Multiphase Interleaved Fuel-Cell Boost Converter Based on Hamiltonian Control Theory for Transportation Applications. IEEE Transactions on Transportation Electrification, 2020, 6, 519-529.	8.0	39
98	Kanamycin resistance during in vitro development of pollen from transgenic tomato plants. Plant Cell Reports, 1987, 6, 333-336.	5.5	38
99	Darcy–Forchheimer flow of micropolar nanofluid between two plates in the rotating frame with non-uniform heat generation/absorption. Advances in Mechanical Engineering, 2018, 10, 168781401880885.	1.6	38
100	Three-dimensional magnetohydrodynamic (MHD) flow of Maxwell nanofluid containing gyrotactic micro-organisms with heat source/sink. AIP Advances, 2018, 8, .	1.3	38
101	Fractional Dynamics of HIV with Source Term for the Supply of New CD4+ T-Cells Depending on the Viral Load via Caputo–Fabrizio Derivative. Molecules, 2021, 26, 1806.	3.9	38
102	Mathematical modeling and study of MHD flow of Williamson nanofluid over a nonlinear stretching plate with activation energy. Heat Transfer, 2021, 50, 2558-2570.	3.0	37
103	Soft computing paradigm for Ferrofluid by exponentially stretched surface in the presence of magnetic dipole and heat transfer. AEJ - Alexandria Engineering Journal, 2022, 61, 1607-1623.	6.7	37
104	Analysis of boundary layer MHD Darcy-Forchheimer radiative nanofluid flow with solet and dufour effects by means of marangoni convection. Case Studies in Thermal Engineering, 2021, 23, 100792.	5.8	36
105	Modeling the dynamics of tumor–immune cells interactions via fractional calculus. European Physical Journal Plus, 2022, 137, 1.	2.6	36
106	Viral Envelope Protein 53R Gene Highly Specific Silencing and Iridovirus Resistance in Fish Cells by AmiRNA. PLoS ONE, 2010, 5, e10308.	2.5	35
107	Application of Electric Field for Augmentation of Ferrofluid Heat Transfer in an Enclosure Including Double Moving Walls. IEEE Access, 2019, 7, 21048-21056.	4.4	35
108	Entropy Generation in MHD Second-Grade Nanofluid Thin Film Flow Containing CNTs with Cattaneo-Christov Heat Flux Model Past an Unsteady Stretching Sheet. Applied Sciences (Switzerland), 2020, 10, 2720.	2.6	35

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109	Darcyâ€Forchheimer MHD Couple Stress 3D Nanofluid over an Exponentially Stretching Sheet through Cattaneoâ€Christov Convective Heat Flux with Zero Nanoparticles Mass Flux Conditions. <i>Entropy</i> , 2019, 21, 867.	2.3	34
110	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, 52.	2.3	34
111	Unsteady MHD carbon nanotubes suspended nanofluid flow with thermal stratification and nonlinear thermal radiation. <i>AJ - Alexandria Engineering Journal</i> , 2020, 59, 1557-1566.	6.7	34
112	On nonlinear classical and fractional order dynamical system addressing COVID-19. <i>Results in Physics</i> , 2021, 24, 104069.	4.2	34
113	Impact of thermal radiation and non-uniform heat flux on MHD hybrid nanofluid along a stretching cylinder. <i>Scientific Reports</i> , 2021, 11, 20262.	3.4	34
114	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, .	1.3	33
115	Entropy Generation and Heat Transfer Analysis in MHD Unsteady Rotating Flow for Aqueous Suspensions of Carbon Nanotubes with Nonlinear Thermal Radiation and Viscous Dissipation Effect. <i>Entropy</i> , 2019, 21, 492.	2.3	33
116	Influence of Cattaneoâ€Christov Heat Flux on MHD Jeffrey, Maxwell, and Oldroyd-B Nanofluids with Homogeneous-Heterogeneous Reaction. <i>Symmetry</i> , 2019, 11, 439.	2.3	33
117	Effective Prandtl Number Model Influences on the γ_{H_2O} and $\gamma_{Al_2O_3}$ $\hat{I}^3 Al_2O_3$ â€ H_2O and $\gamma_{Al_2O_3}$ $\hat{I}^3 Al_2O_3$ â€ $C_2H_6O_2$ Nanofluids Spray Along a Stretching Cylinder. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 1601-1616.	3.1	33
118	Microstructure and Inertial Characteristics of MHD Suspended SWCNTs and MWCNTs Based Maxwell Nanofluid Flow with Bio-Convection and Entropy Generation Past a Permeable Vertical Cone. <i>Coatings</i> , 2020, 10, 998.	2.7	33
119	Impact of magnetic field on boundary-layer flow of Sisko liquid comprising nanomaterials migration through radially shrinking/stretching surface with zero mass flux. <i>Journal of Materials Research and Technology</i> , 2020, 9, 3699-3709.	5.9	33
120	Cattaneoâ€Christov Heat Flux Model for Three-Dimensional Rotating Flow of SWCNT and MWCNT Nanofluid with Darcyâ€Forchheimer Porous Medium Induced by a Linearly Stretchable Surface. <i>Symmetry</i> , 2019, 11, 331.	2.3	32
121	Magnetized and non-magnetized Casson fluid flow with gyrotactic microorganisms over a stratified stretching cylinder. <i>Scientific Reports</i> , 2021, 11, 16376.	3.4	32
122	On fractional order model of tumor dynamics with drug interventions under nonlocal fractional derivative. <i>Results in Physics</i> , 2021, 21, 103783.	4.2	31
123	Design of Backpropagated Intelligent Networks for Nonlinear Second-Order Laneâ€Emden Pantograph Delay Differential Systems. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 1197-1210.	3.1	31
124	Numerical modeling on hybrid nanofluid (Fe3O4+MWCNT/H2O) migration considering MHD effect over a porous cylinder. <i>PLoS ONE</i> , 2021, 16, e0251744.	2.5	31
125	Bidirectional flow of MHD nanofluid with Hall current and Cattaneo-Christove heat flux toward the stretching surface. <i>PLoS ONE</i> , 2022, 17, e0264208.	2.5	31
126	Qualitative Analysis of the Transmission Dynamics of Dengue with the Effect of Memory, Reinfection, and Vaccination. <i>Computational and Mathematical Methods in Medicine</i> , 2022, 2022, 1-20.	1.4	31

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127	The influence of a magnetic field on the heat transfer of a magnetic nanofluid in a sinusoidal channel. <i>European Physical Journal Plus</i> , 2016, 131, 1.	2.6	30
128	Liming induces carbon dioxide (CO ₂) emission in PSB inoculated alkaline soil supplemented with different phosphorus sources. <i>Environmental Science and Pollution Research</i> , 2018, 25, 9501-9509.	5.3	30
129	CFD Simulation of Water-Based Hybrid Nanofluid Inside a Porous Enclosure Employing Lorentz Forces. <i>IEEE Access</i> , 2019, 7, 177177-177186.	4.4	30
130	Hall Effect on Radiative Casson Fluid Flow with Chemical Reaction on a Rotating Cone through Entropy Optimization. <i>Entropy</i> , 2020, 22, 480.	2.3	30
131	Energy, Financial, and Environmental Investigation of a Direct Steam Production Power Plant Driven by Linear Fresnel Solar Reflectors. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2021, 143, .	1.9	30
132	Entropy generation on MHD peristaltic flow of Cu-water nanofluid with slip conditions. <i>Heat Transfer - Asian Research</i> , 2019, 48, 4301-4319.	2.8	29
133	Viscoelastic MHD Nanofluid Thin Film Flow over an Unsteady Vertical Stretching Sheet with Entropy Generation. <i>Processes</i> , 2019, 7, 262.	2.8	29
134	Entropy optimization and heat transfer modeling for Lorentz forces effect on solidification of NEPCM. <i>International Communications in Heat and Mass Transfer</i> , 2020, 117, 104715.	5.7	29
135	Simulation of entropy optimization and thermal behavior of nanofluid through the porous media. <i>International Communications in Heat and Mass Transfer</i> , 2021, 120, 105039.	5.7	29
136	Impact of nanoparticles shape and radiation on the behavior of nanofluid under the Lorentz forces. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101161.	5.8	29
137	Theoretical Analysis of Cu-H ₂ O, Al ₂ O ₃ -H ₂ O, and TiO ₂ -H ₂ O Nanofluid Flow Past a Rotating Disk with Velocity Slip and Convective Conditions. <i>Journal of Nanomaterials</i> , 2021, 2021, 1-10.	2.8	29
138	Analysis and dynamical behavior of a novel dengue model via fractional calculus. <i>International Journal of Biomathematics</i> , 2022, 15, .	2.9	29
139	Effect of Thermal Radiation on Three-Dimensional Magnetized Rotating Flow of a Hybrid Nanofluid. <i>Nanomaterials</i> , 2022, 12, 1566.	4.2	29
140	Chaotic Phenomena and Oscillations in Dynamical Behaviour of Financial System via Fractional Calculus. <i>Complexity</i> , 2022, 2022, 1-14.	1.7	29
141	Impact of activation energy on hyperbolic tangent nanofluid with mixed convection rheology and entropy optimization. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 1123-1135.	6.7	28
142	Low prevalence of DNA viruses in the human endometrium and endometriosis. <i>Archives of Virology</i> , 2010, 155, 695-703.	1.9	27
143	Entropy Generation Optimization in Squeezing Magnetohydrodynamics Flow of Casson Nanofluid with Viscous Dissipation and Joule Heating Effect. <i>Entropy</i> , 2019, 21, 747.	2.3	27
144	Numerical investigation of MHD nanomaterial convective migration and heat transfer within a sinusoidal porous cavity. <i>Physica Scripta</i> , 2019, 94, 115225.	2.5	27

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145	The Renewable Energy Source Selection by Remoteness Index-Based VIKOR Method for Generalized Intuitionistic Fuzzy Soft Sets. <i>Symmetry</i> , 2020, 12, 977.	2.3	27
146	Drivers, Risk Factors and Dynamics of African Swine Fever Outbreaks, Southern Highlands, Tanzania. <i>Pathogens</i> , 2020, 9, 155.	2.9	27
147	Numerical Simulation of Magnetohydrodynamic Nanofluids Under the Influence of Shape Factor and Thermal Transport in a Porous Media Using CVFEM. <i>Frontiers in Physics</i> , 2019, 7, .	2.2	25
148	Heat Transfer Analysis of a Magneto-Bio-Fluid Transport with Variable Thermal Viscosity Through a Vertical Ciliated Channel. <i>Symmetry</i> , 2019, 11, 1240.	2.3	25
149	Hydromagnetic mixed convective third grade nanomaterial containing gyrotactic microorganisms toward a horizontal stretched surface. <i>AEJ - Alexandria Engineering Journal</i> , 2019, 58, 1421-1429.	6.7	25
150	Slip and Hall Effects on Peristaltic Rheology of Copper-Water Nanomaterial Through Generalized Complaint Walls With Variable Viscosity. <i>Frontiers in Physics</i> , 2020, 7, .	2.2	25
151	An assessment of the mathematical model for estimating of entropy optimized viscous fluid flow towards a rotating cone surface. <i>Scientific Reports</i> , 2021, 11, 10259.	3.4	25
152	Evolution of fractional mathematical model for drinking under Atangana-Baleanu Caputo derivatives. <i>Physica Scripta</i> , 2021, 96, 115203.	2.5	25
153	Magneto-Burgers Nanofluid Stratified Flow with Swimming Motile Microorganisms and Dual Variables Conductivity Configured by a Stretching Cylinder/Plate. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-16.	1.2	25
154	Flow of a Nano-Liquid Film of Maxwell Fluid with Thermal Radiation and Magneto Hydrodynamic Properties on an Unstable Stretching Sheet. <i>Journal of Nanofluids</i> , 2017, 6, 1021-1030.	2.9	25
155	Hall and Ion-Slip Effect on CNTS Nanofluid over a Porous Extending Surface through Heat Generation and Absorption. <i>Entropy</i> , 2019, 21, 801.	2.3	24
156	A comprehensive study to the assessment of Arrhenius activation energy and binary chemical reaction in swirling flow. <i>Scientific Reports</i> , 2020, 10, 7868.	3.4	24
157	Unsteady Radiative Natural Convective MHD Nanofluid Flow Past a Porous Moving Vertical Plate with Heat Source/Sink. <i>Molecules</i> , 2020, 25, 854.	3.9	24
158	Ab initio investigation of the physical properties of TI based chloroperovskites $TlXCl_3$ ($X = Ca$) <i>J. Appl. Phys.</i> 2020, 127, 104101.	1.3	24
159	Modeling and Analysis of Breast Cancer with Adverse Reactions of Chemotherapy Treatment through Fractional Derivative. <i>Computational and Mathematical Methods in Medicine</i> , 2022, 2022, 1-19.	1.4	24
160	Radiative flow of magneto hydrodynamics single-walled carbon nanotube over a convectively heated stretchable rotating disk with velocity slip effect. <i>Advances in Mechanical Engineering</i> , 2019, 11, 168781401982771.	1.6	23
161	Influence of nanoparticles inclusion into water on convective magneto hydrodynamic flow with heat transfer and entropy generation through permeable domain. <i>Case Studies in Thermal Engineering</i> , 2020, 21, 100732.	5.8	23
162	Heat transfer of a hybrid nanofluid past a circular cylinder in the presence of thermal radiation and viscous dissipation. <i>AIP Advances</i> , 2020, 10, .	1.3	23

#	ARTICLE	IF	CITATIONS
163	Soret and Dufour effects on a Casson nanofluid flow past a deformable cylinder with variable characteristics and Arrhenius activation energy. <i>Scientific Reports</i> , 2021, 11, 19282.	3.4	23
164	A comparative analysis of the performance of magnetised copper-copper oxide/water and copper-copper oxide/kerosene oil hybrid nanofluids flowing through an extending surface with velocity slips and thermal convective conditions. <i>International Journal of Ambient Energy</i> , 2022, 43, 7330-7348.	2.4	23
165	Selective Removal of N-Boc Protecting Group from Aromatic Amines Using Silica Gel-Supported Sodium Hydrogen Sulfate and HY-Zeolite as Heterogeneous Catalysts[1]. <i>Advanced Synthesis and Catalysis</i> , 2003, 345, 1207-1208.	4.5	22
166	Genetic Risk Factors for Thrombosis in Systemic Lupus Erythematosus. <i>Journal of Rheumatology</i> , 2012, 39, 1603-1610.	2.1	22
167	Flow of a Nanofluid and Heat Transfer in Channel With Contracting/Expanding Walls. <i>IEEE Access</i> , 2019, 7, 102427-102436.	4.4	22
168	Influence of MHD on Thermal Behavior of Darcy-Forchheimer Nanofluid Thin Film Flow over a Nonlinear Stretching Disc. <i>Coatings</i> , 2019, 9, 446.	2.7	22
169	Impact of Thermal Radiation on Magnetohydrodynamic Unsteady Thin Film Flow of Sisko Fluid over a Stretching Surface. <i>Processes</i> , 2019, 7, 369.	2.8	22
170	Three dimensional Darcy-Forchheimer radiated flow of single and multiwall carbon nanotubes over a rotating stretchable disk with convective heat generation and absorption. <i>AIP Advances</i> , 2019, 9, .	1.3	22
171	Study of the Couple Stress Convective Micropolar Fluid Flow in a Hall MHD Generator System. <i>Frontiers in Physics</i> , 2019, 7, .	2.2	22
172	Cattaneo-Christov Heat Flux Model for Second Grade Nanofluid Flow with Hall Effect through Entropy Generation over Stretchable Rotating Disk. <i>Coatings</i> , 2020, 10, 610.	2.7	22
173	Numerical simulation of the combined effects of thermophoretic motion and variable thermal conductivity on free convection heat transfer. <i>AIP Advances</i> , 2020, 10, .	1.3	22
174	Insight into the dynamics of second grade hybrid radiative nanofluid flow within the boundary layer subject to Lorentz force. <i>Scientific Reports</i> , 2021, 11, 4894.	3.4	22
175	A robust study to conceptualize the interactions of CD4 ⁺ T-cells and human immunodeficiency virus via fractional-calculus. <i>Physica Scripta</i> , 2021, 96, 125231.	2.5	22
176	Impact of Thermal Radiation and Heat Source/Sink on Eyring-Powell Fluid Flow over an Unsteady Oscillatory Porous Stretching Surface. <i>Mathematical and Computational Applications</i> , 2018, 23, 20.	1.3	21
177	Three-dimensional magnetohydrodynamic nanofluid thin-film flow with heat and mass transfer over an inclined porous rotating disk. <i>Advances in Mechanical Engineering</i> , 2019, 11, 168781401986975.	1.6	21
178	Darcy-Forchheimer Radiative Flow of Micropolar CNT Nanofluid in Rotating Frame with Convective Heat Generation/Consumption. <i>Processes</i> , 2019, 7, 666.	2.8	21
179	An optimal analysis for Darcy-Forchheimer three-dimensional Williamson nanofluid flow over a stretching surface with convective conditions. <i>Advances in Mechanical Engineering</i> , 2019, 11, 168781401983351.	1.6	21
180	Study of mathematical model of Hepatitis B under Caputo-Fabrizio derivative. <i>AIMS Mathematics</i> , 2021, 6, 195-209.	1.6	21

#	ARTICLE	IF	CITATIONS
181	Influence of Brownian motion and thermophoresis parameters on silver-based Di-Hydrogen CNTs between two stretchable rotating disks. <i>Physica Scripta</i> , 2021, 96, 055205.	2.5	21
182	Second-order slip effect on bio-convectational viscoelastic nanofluid flow through a stretching cylinder with swimming microorganisms and melting phenomenon. <i>Scientific Reports</i> , 2021, 11, 11208.	3.4	21
183	Significance of Shape Factor in Heat Transfer Performance of Molybdenum-Disulfide Nanofluid in Multiple Flow Situations; A Comparative Fractional Study. <i>Molecules</i> , 2021, 26, 3711.	3.9	21
184	Mathematical Modeling and numerical simulation for nanofluid flow with entropy optimization. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101198.	5.8	21
185	Entropy optimization and heat transfer analysis in MHD Williamson nanofluid flow over a vertical Riga plate with nonlinear thermal radiation. <i>Scientific Reports</i> , 2021, 11, 18386.	3.4	21
186	Magnetohydrodynamic CNTs Casson Nanofluid and Radiative heat transfer in a Rotating Channels. , 2018, 1, 017-032.		21
187	Dual solutions of convective rotating flow of three-dimensional hybrid nanofluid across the linear stretching/shrinking sheet. <i>AEJ - Alexandria Engineering Journal</i> , 2023, 75, 297-312.	6.7	21
188	3D nanofluid flow over exponentially expanding surface of Oldroyd-B fluid. <i>Ain Shams Engineering Journal</i> , 2021, 12, 3939-3946.	6.6	20
189	Craniofacial morphometric analysis of individuals with X-linked hypohidrotic ectodermal dysplasia. <i>Molecular Genetics & Genomic Medicine</i> , 2014, 2, 422-429.	1.3	19
190	Cattaneo-Christov theory for a time-dependent magnetohydrodynamic Maxwell fluid flow through a stretching cylinder. <i>Advances in Mechanical Engineering</i> , 2021, 13, 168781402110301.	1.6	19
191	Soret-Dufour impact on a three-dimensional Casson nanofluid flow with dust particles and variable characteristics in a permeable media. <i>Scientific Reports</i> , 2021, 11, 14513.	3.4	19
192	Entropy generation and nonlinear thermal radiation analysis on axisymmetric MHD Ellis nanofluid over a horizontally permeable stretching cylinder. <i>Waves in Random and Complex Media</i> , 0, , 1-15.	2.7	19
193	Energy transfer through mixed convection within square enclosure containing micropolar fluid with non-uniformly heated bottom wall under the MHD impact. <i>Journal of Molecular Liquids</i> , 2018, 249, 831-842.	5.0	18
194	Study of Three dimensional Darcy-Forchheimer squeezing nanofluid flow with Cattaneo-Christov heat flux based on four different types of nanoparticles through entropy generation analysis. <i>Advances in Mechanical Engineering</i> , 2019, 11, 168781401985130.	1.6	18
195	Transient process in a finned triplex tube during phase changing of aluminum oxide enhanced PCM. <i>European Physical Journal Plus</i> , 2019, 134, 1.	2.6	18
196	Darcy-Boussinesq Model of Cilia-Assisted Transport of a Non-Newtonian Magneto-Biofluid with Chemical Reactions. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1137.	2.6	18
197	Unsteady thermal Maxwell power law nanofluid flow subject to forced thermal Marangoni Convection. <i>Scientific Reports</i> , 2021, 11, 7521.	3.4	18
198	Hopf bifurcation and global dynamics of time delayed Dengue model. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 195, 105530.	4.9	18

#	ARTICLE	IF	CITATIONS
199	Impact of Thermal Radiation and Heat Source/Sink on MHD Time-Dependent Thin-Film Flow of Oldroyd-B, Maxwell, and Jeffrey Fluids over a Stretching Surface. <i>Processes</i> , 2019, 7, 191.	2.8	17
200	Peristaltic Propulsion of Jeffrey Nanofluid with Thermal Radiation and Chemical Reaction Effects. <i>Inventions</i> , 2019, 4, 68.	2.5	17
201	Unsteady Ferrofluid Slip Flow in the Presence of Magnetic Dipole With Convective Boundary Conditions. <i>IEEE Access</i> , 2020, 8, 138551-138562.	4.4	17
202	Optimization Based Methods for Solving the Equilibrium Problems with Applications in Variational Inequality Problems and Solution of Nash Equilibrium Models. <i>Mathematics</i> , 2020, 8, 822.	2.3	17
203	Study of Slip Effects in Reverse Roll Coating Process Using Non-Isothermal Couple Stress Fluid. <i>Coatings</i> , 2021, 11, 1249.	2.7	17
204	Electromagnetohydrodynamic bioconvective flow of binary fluid containing nanoparticles and gyrotactic microorganisms through a stratified stretching sheet. <i>Scientific Reports</i> , 2021, 11, 23159.	3.4	17
205	Significance of Lorentz forces on Jeffrey nanofluid flows over a convectively heated flat surface featured by multiple velocity slips and dual stretching constraint: a homotopy analysis approach. <i>Journal of Computational Design and Engineering</i> , 2022, 9, 564-582.	3.0	17
206	Mathematical Modelling of Ree-Eyring Nanofluid Using Koo-Kleinstreuer and Cattaneo-Christov Models on Chemically Reactive AA7072-AA7075 Alloys over a Magnetic Dipole Stretching Surface. <i>Coatings</i> , 2022, 12, 391.	2.7	17
207	Intrauterine distribution of ova in the rabbit. <i>The Anatomical Record</i> , 1944, 88, 329-336.	1.6	16
208	Modeling of entropy optimization for hybrid nanofluid MHD flow through a porous annulus involving variation of Bejan number. <i>Scientific Reports</i> , 2020, 10, 12821.	3.4	16
209	Impact of Cattaneo-Christov heat flux on non-isothermal convective micropolar fluid flow in a hall MHD generator system. <i>Journal of Materials Research and Technology</i> , 2020, 9, 5452-5462.	5.9	16
210	Modelling and numerical computation for flow of micropolar fluid towards an exponential curved surface: a Keller box method. <i>Scientific Reports</i> , 2021, 11, 16351.	3.4	16
211	MHD stagnation point flow of hybrid nanofluid over a permeable cylinder with homogeneous and heterogenous reaction. <i>Physica Scripta</i> , 2021, 96, 035201.	2.5	16
212	Radiative Darcy-Forchheimer Micropler BÅrdewadt flow of CNTs with viscous dissipation effect. <i>Journal of Petroleum Science and Engineering</i> , 2022, 217, 110857.	4.3	16
213	Search for a fermiophobic Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.8	15
214	COMPARATIVE ANALYSIS OF NATURAL TRANSFORM DECOMPOSITION METHOD AND NEW ITERATIVE METHOD FOR FRACTIONAL FOAM DRAINAGE PROBLEM AND FRACTIONAL ORDER MODIFIED REGULARIZED LONG-WAVE EQUATION. <i>Fractals</i> , 2020, 28, 2050124.	3.1	15
215	Mathematical modeling of stagnation region nanofluid flow through Darcyâ€Forchheimer space taking into account inconsistent heat source/sink. <i>Journal of Applied Mathematics and Computing</i> , 2021, 65, 713-734.	2.4	15
216	Mesoscopic Simulation for Magnetized Nanofluid Flow Within a Permeable 3D Tank. <i>IEEE Access</i> , 2021, 9, 135234-135244.	4.4	15

#	ARTICLE	IF	CITATIONS
217	Analytical Simulation for Magnetohydrodynamic Maxwell Fluid Flow Past an Exponentially Stretching Surface with First-Order Velocity Slip Condition. <i>Coatings</i> , 2021, 11, 1009.	2.7	15
218	Entropy generation analysis on Darcy-Forchheimer Maxwell nanofluid flow past a porous stretching sheet with threshold Non-Fourier heat flux model and Joule heating. <i>Case Studies in Thermal Engineering</i> , 2023, 52, 103738.	5.8	15
219	Transient cortical blindness following vertebral angiography in a young adult with cerebellar haemangioblastoma. <i>Pediatric Radiology</i> , 2009, 39, 1223-1226.	2.1	14
220	Experimental characterization of the coherence properties of hard x-ray sources. <i>Optics Express</i> , 2011, 19, 8073.	3.4	14
221	Recent Advances in the Application of Differential Equations in Mechanical Engineering Problems. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-3.	1.2	14
222	MATHEMATICAL AND STABILITY ANALYSIS OF FRACTIONAL ORDER MODEL FOR SPREAD OF PESTS IN TEA PLANTS. <i>Fractals</i> , 2021, 29, 2150008.	3.1	14
223	On unsteady 3D bio-convection flow of viscoelastic nanofluid with radiative heat transfer inside a solar collector plate. <i>Scientific Reports</i> , 2022, 12, 2952.	3.4	14
224	Soluting-in and soluting-out of water-soluble polymers in aqueous carbohydrate solutions studied by vapor pressure osmometry. <i>Journal of Molecular Liquids</i> , 2017, 229, 405-416.	5.0	13
225	Entropy optimization in MHD nanofluid flow over a curved exponentially stretching surface with binary chemical reaction and Arrhenius activation energy. <i>Journal of Physics Communications</i> , 2020, 4, 075021.	1.2	13
226	Thin Film Flow of Couple Stress Magneto-Hydrodynamics Nanofluid with Convective Heat over an Inclined Exponentially Rotating Stretched Surface. <i>Coatings</i> , 2020, 10, 338.	2.7	13
227	Development of Dynamic Model and Analytical Analysis for the Diffusion of Different Species in Non-Newtonian Nanofluid Swirling Flow. <i>Frontiers in Physics</i> , 2021, 8, .	2.2	13
228	Numerical simulation for bioconvective flow of burger nanofluid with effects of activation energy and exponential heat source/sink over an inclined wall under the swimming microorganisms. <i>Scientific Reports</i> , 2021, 11, 14305.	3.4	13
229	Entropy Optimization on Axisymmetric Darcy-Forchheimer Powell-Eyring Nanofluid over a Horizontally Stretching Cylinder with Viscous Dissipation Effect. <i>Coatings</i> , 2022, 12, 749.	2.7	13
230	The pincers effect on cervical spinal cord in the development of traumatic cervical spinal cord injury without major fracture or dislocation. <i>Spinal Cord</i> , 2013, 51, 331-333.	1.9	12
231	Soret, Dufour, and activation energy effects on double diffusive convective couple stress micropolar nanofluid flow in a Hall MHD generator system. <i>AIP Advances</i> , 2020, 10, .	1.3	12
232	HIV-1 infection dynamics and optimal control with Crowley-Martin function response. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 193, 105503.	4.9	12
233	Investigation of enhancement in the thermal response of phase change materials through nano powders. <i>Case Studies in Thermal Engineering</i> , 2022, 29, 101654.	5.8	12
234	Heat source and sink effects on periodic mixed convection flow along the electrically conducting cone inserted in porous medium. <i>PLoS ONE</i> , 2021, 16, e0260845.	2.5	12

#	ARTICLE	IF	CITATIONS
235	Axion instability supernovae. <i>Physical Review D</i> , 2022, 105, .	4.8	12
236	Blood Flow of Au-Nanofluid Using Sisko Model in Stenotic Artery with Porous Walls and Viscous Dissipation Effect. <i>Micromachines</i> , 2022, 13, 1303.	3.0	12
237	Magnetohydrodynamic nanofluid radiative thermal behavior by means of Darcy law inside a porous media. <i>Scientific Reports</i> , 2019, 9, 12765.	3.4	11
238	MHD stagnation point flow of a water-based copper nanofluid past a flat plate with solar radiation effect. <i>Journal of Petroleum Science and Engineering</i> , 2023, 220, 111148.	4.3	11
239	Nanofluid thin film flow of Sisko fluid and variable heat transfer over an unsteady stretching surface with external magnetic field. <i>Journal of Algorithms and Computational Technology</i> , 2019, 13, 174830181983245.	0.7	10
240	Radiative MHD unsteady Casson fluid flow with heat source/sink through a vertical channel suspended in porous medium subject to generalized boundary conditions. <i>Physica Scripta</i> , 2021, 96, 075213.	2.5	10
241	Nanomechanical Concepts in Magnetically Guided Systems to Investigate the Magnetic Dipole Effect on Ferromagnetic Flow Past a Vertical Cone Surface. <i>Coatings</i> , 2021, 11, 1129.	2.7	10
242	Modeling the transmission phenomena of water-borne disease with non-singular and non-local kernel. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2023, 26, 1294-1307.	1.7	10
243	Design of a Long-Acting and Selective MEG-Fatty Acid Stapled Prolactin-Releasing Peptide Analog. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 1166-1172.	3.1	9
244	Impact of Volume Fraction and Hall Effect on Two-Phase Radiative Dusty Nanofluid Flow Over a Stretching Sheet. <i>IEEE Access</i> , 2019, 7, 138273-138287.	4.4	9
245	A Meshless Method Based on the Laplace Transform for the 2D Multi-Term Time Fractional Partial Integro-Differential Equation. <i>Mathematics</i> , 2020, 8, 1972.	2.3	9
246	<sc>CVFEM</sc> based numerical investigation and mathematical modeling of surface dependent magnetized <sc>copperâ€oxide</sc> nanofluid flow using new model of porous space. <i>Numerical Methods for Partial Differential Equations</i> , 2021, 37, 1481-1494.	3.7	9
247	NEW ITERATIVE TRANSFORM METHOD FOR TIME AND SPACE FRACTIONAL (n + 1)-DIMENSIONAL HEAT AND WAVE TYPE EQUATIONS. <i>Fractals</i> , 2021, 29, 2150056.	3.1	9
248	Heat transfer intensification of nanomaterial with involve of swirl flow device concerning entropy generation. <i>Scientific Reports</i> , 2021, 11, 12504.	3.4	9
249	Double Slip Effects and Heat Transfer Characteristics for Channel Transport of Engine Oil With Titanium and Aluminum Alloy Nanoparticles: A Fractional Study. <i>IEEE Access</i> , 2021, 9, 52036-52052.	4.4	9
250	A Bioconvection Model for Squeezing Flow between Parallel Plates Containing Gyrotactic Microorganisms with Impact of Thermal Radiation and Heat Generation/Absorption. <i>Journal of Advances in Mathematics and Computer Science</i> , 2018, 27, 1-22.	0.3	9
251	Optimal control application to the epidemiology of HBV and HCV co-infection. <i>International Journal of Biomathematics</i> , 2022, 15, .	2.9	9
252	Numerical Analysis of <math xmlns="http://www.w3.org/1998/Math/MathML" id="M1"><mtxt>Cu</mtxt> <mo>+</mo> <mrow> <msub> <mrow> <mtxt>Al</mtxt> </mrow> <mrow> <mn>2</mn> </mrow> </msub> <msub>. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-12.	1.2	9

#	ARTICLE	IF	CITATIONS
253	Evaluating the Higher-Order Slip Consequence in Bioconvection Nanofluid Flow Configured by a Variable Thick Surface of Disk. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-13.	2.8	9
254	Mathematical study of the dynamics of lymphatic filariasis infection via fractional-calculus. <i>European Physical Journal Plus</i> , 2023, 138, .	2.6	9
255	A fractional modeling approach of Buruli ulcer in Possum mammals. <i>Physica Scripta</i> , 2023, 98, 065219.	2.5	9
256	Entropy generation analysis of magnetized radiative Ellis (Cu-TiO ₂ /Engine Oil) nanofluid flow using Cattaneo-Christov heat flux model with viscous dissipation and Joule heating effects. <i>Journal of Magnetism and Magnetic Materials</i> , 2023, 580, 170949.	2.3	9
257	Numerical investigation of sodium alginate-alumina/copper radiative hybrid nanofluid flow over a power law stretching/shrinking sheet with suction effect: A study of dual solutions. <i>Results in Engineering</i> , 2024, 21, 101881.	5.2	9
258	Numerical study of the effect of magnetic field on Fe ₃ O ₄ water ferrofluid convection with thermal radiation. <i>Engineering Computations</i> , 2018, 35, 1855-1872.	1.5	8
259	Is interstitial 8p23 microdeletion responsible of 46,XY gonadal dysgenesis? One case report from birth to puberty. <i>Molecular Genetics & Genomic Medicine</i> , 2019, 7, e558.	1.3	8
260	Hydrothermal analysis of nanoparticles transportation through a porous compound cavity utilizing two temperature model and radiation heat transfer under the effects of magnetic field. <i>Microsystem Technologies</i> , 2020, 26, 333-344.	2.1	8
261	Application of New Iterative Method to Time Fractional Whitham-Broer-Kaup Equations. <i>Frontiers in Physics</i> , 2020, 8, .	2.2	8
262	Stability analysis of multiple solutions in case of a stretched nanofluid flow obeying Corcione's correlation: An extended Darcy model. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2021, 101, e202000172.	1.7	8
263	A comparative analysis of MHD Casson and Maxwell flows past a stretching sheet with mixed convection and chemical reaction. <i>Waves in Random and Complex Media</i> , 0, , 1-16.	2.7	8
264	Entropy Generation and Thermal Analysis on MHD Second-Grade Fluid with Variable Thermophysical Properties over a Stratified Permeable Surface of Paraboloid Revolution. <i>ACS Omega</i> , 2022, 7, 27436-27449.	3.6	8
265	Electromagnetic Trihybrid Ellis Nanofluid Flow Influenced with a Magnetic Dipole and Chemical Reaction Across a Vertical Surface. <i>ACS Omega</i> , 2022, 7, 36611-36622.	3.6	8
266	Computational study of double diffusive MHD natural convection flow of non-Newtonian fluid between concentric cylinders. <i>Results in Engineering</i> , 2024, 21, 101925.	5.2	8
267	A 120x160 pixel CMOS range image sensor based on current assisted photonic demodulators. <i>Proceedings of SPIE</i> , 2010, , .	1.0	7
268	Flow in a two dimensional channel with deforming and peristaltically moving walls. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	7
269	Solution of fractional-order integro-differential equations using optimal homotopy asymptotic method. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 146, 1421-1433.	3.6	7
270	Axisymmetric mixed convective propulsion of a non-Newtonian fluid through a ciliated tubule. <i>AIP Advances</i> , 2020, 10, .	1.3	7

#	ARTICLE	IF	CITATIONS
271	Darcyâ€“Forchheimer Magnetized Nanofluid flow along with Heating and Dissipation Effects over a Shrinking Exponential Sheet with Stability Analysis. <i>Micromachines</i> , 2023, 14, 106.	3.0	7
272	Similarity and entropy measures for circular intuitionistic fuzzy sets. <i>Engineering Applications of Artificial Intelligence</i> , 2024, 131, 107786.	8.3	7
273	Effect of qualitative feed restriction on energy metabolism and nitrogen retention in sheep. <i>South African Journal of Animal Sciences</i> , 2009, 39, .	0.6	6
274	XPA deficiency affects the ubiquitin-proteasome system function. <i>DNA Repair</i> , 2020, 94, 102937.	2.9	6
275	Numerical study and stability of the Lengyelâ€“Epstein chemical model with diffusion. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	6
276	Double Diffusion Non-Isothermal Thermo-Convective Flow of Couple Stress Micropolar Nanofluid Flow in a Hall MHD Generator System. <i>IEEE Access</i> , 2020, 8, 78821-78835.	4.4	6
277	COMPUTATIONAL MODELING AND THEORETICAL ANALYSIS OF NONLINEAR FRACTIONAL ORDER PREYâ€“PREDATOR SYSTEM. <i>Fractals</i> , 2021, 29, 2150001.	3.1	6
278	Analysis and modeling of fractional electro-osmotic ramped flow of chemically reactive and heat absorptive/generative Walters' B fluid with ramped heat and mass transfer rates. <i>AIMS Mathematics</i> , 2021, 6, 5942-5976.	1.6	6
279	Application of Arrhenius chemical process on unsteady mixed bio-convective flows of third-grade fluids having temperature-dependent in thermo-rheological properties. <i>Waves in Random and Complex Media</i> , 0, , 1-20.	2.7	6
280	Mixed convective flow of blood biofluids containing magnetite ferroparticles past a vertical flat plate: shapes-based analysis. <i>Waves in Random and Complex Media</i> , 0, , 1-25.	2.7	6
281	Reflection as a Window to Student Development: Insight for Faculty, Preceptors, and Mentors. <i>Seminars in Hearing</i> , 2012, 33, 147-162.	1.3	5
282	Robust resource allocation strategy for technology innovation ecosystems: state and control constraints. <i>Nonlinear Dynamics</i> , 2021, 103, 2931-2954.	5.3	5
283	Effect of Thermal Radiation on Burgers Nano Fluid Flow Between Two Parallel Plates with Porous Medium in the Presence of Gyrotactic Micro-Organisms and Heat Generation/Absorption. <i>Journal of Nanofluids</i> , 2018, 8, 957-969.	2.9	5
284	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.	1.7	5
285	Modeling of Hepatitis B Virus Transmission with Fractional Analysis. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-14.	1.2	5
286	Mathematical modeling of corona virus (COVID-19) and stability analysis. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2023, 26, 1114-1133.	1.7	5
287	Effects of in-medium cross sections and optical potential on thermal-source formation in p+Au197 reactions at 6.2â€“14.6 GeVâ€“c. <i>Physical Review C</i> , 2004, 70, .	2.9	4
288	Mg doping of LaSrFe manganite: Magnetic and electric study. <i>Physica B: Condensed Matter</i> , 2017, 517, 10-18.	2.8	4

#	ARTICLE	IF	CITATIONS
289	Mathematical Modeling of Carreau Fluid Flow and Heat Transfer Characteristics in the Renal Tubule. Journal of Mathematics, 2022, 2022, 1-14.	1.0	4
290	Spatial control of robust transgene expression in mouse artery endothelium under ultrasound guidance. Signal Transduction and Targeted Therapy, 2022, 7, .	17.5	4
291	Convective micropolar fluid over inclined surface with thermal radiation and velocity slip condition effects: Duality and stability. International Journal of Modern Physics B, 2024, 38, .	1.9	4
292	Slip and radiative effect on magnetized CNTs. C_2 hybrid base nanofluid over exponentially shrinking. Journal of Magnetism and Magnetic Materials, 2022	2.3	4
293	Gyrotactic microorganism's and heat transfer analysis of water conveying MHD SWCNT nanoparticles using fourth-grade fluid model over Riga plate. Case Studies in Thermal Engineering, 2024, 55, 104119.	5.8	4
294	Mathematical and Engineering Aspects of Chemically Reactive Tangent Hyperbolic Nanofluid over a Cone and Plate with Mixed Convection. Mathematical Problems in Engineering, 2020, 2020, 1-11.	1.2	3
295	Approximate Noether symmetries of the geodetic Lagrangian of spherically symmetric spacetimes. European Physical Journal Plus, 2023, 138, .	2.6	3
296	A Fractional Perspective on the Dynamics of HIV, Considering the Interaction of Viruses and Immune System with the Effect of Antiretroviral Therapy. Journal of Nonlinear Mathematical Physics, 2023, 30, 1327-1344.	1.2	3
297	Natural convection heat transfer of a hybrid nanofluid in a permeable quadrantal enclosure with heat generation. Case Studies in Thermal Engineering, 2024, 56, 104207.	5.8	3
298	A 10-bit 100-MS/s 50 mW CMOS A/D converter. , 0, , .		2
299	Time dependent Oldroyd-B liquid film flow over an oscillating and porous vertical plate with the effect of thermal radiation. AIP Conference Proceedings, 2017, , .	1.0	2
300	Numerical modeling of nanofluid exergy loss within tube with multi-helical tapes. European Physical Journal Plus, 2022, 137, 1.	2.6	2
301	Modeling and analysis of the transmission of avian spirochetosis with non-singular and non-local kernel. Computer Methods in Biomechanics and Biomedical Engineering, 2024, 27, 905-917.	1.7	2
302	Numerical simulation and irreversibility analysis of nanofluid flow within a solar absorber duct equipped with a novel turbulator. Results in Physics, 2024, 56, 107271.	4.2	2
303	Darcy-Forchheimer MHD rotationally symmetric micropolar hybrid-nanofluid flow with melting heat transfer over a radially stretchable porous rotating disk. Journal of Thermal Analysis and Calorimetry, 0, , .	3.6	2
304	Improved vessel enhancement for fully automatic coronary modeling. Proceedings of SPIE, 2009, , .	1.0	1
305	Impact of local elasticity and inner rotating circular cylinder on the magneto-hydrodynamics forced convection and entropy generation of nanofluid in a U-shaped vented cavity. Mathematical Methods in the Applied Sciences, 0, , .	2.2	1
306	Toxicity Risks of Nanomaterials Used in the Building Construction Materials. Current Nanotoxicity and Prevention, 2021, 1, 26-43.	0.1	1

#	ARTICLE	IF	CITATIONS
307	Solar LFR system with new cavity reflector employing DO model. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 0, , e202000226.	1.7	1
308	Unsteady Squeezing Flow of Water Based Carbon Nanotubes in Permeable Parallel Channels. Journal of Nanofluids, 2019, 8, 1319-1328.	2.9	1
309	Convergence for a Fixed Point of Evolution Families in Banach Space via Iterative Process. Journal of Mathematics, 2022, 2022, 1-8.	1.0	1
310	Efficient Echocardiographic Image Segmentation. Mathematical Problems in Engineering, 2022, 2022, 1-5.	1.2	1
311	Strong Convergence of Krasnoselskiiâ€Mann Process for Nonexpansive Evolution Families. Mathematical Problems in Engineering, 2022, 2022, 1-10.	1.2	1
312	A numerical study of the micropolar nanofluid flow containing aluminum alloy nanoparticles over a variable thickened stretching sheet. International Journal of Modern Physics B, 2023, 37, .	1.9	1
313	A fractional perspective on the transmission dynamics of a parasitic infection, considering the impact of both strong and weak immunity. PLoS ONE, 2024, 19, e0297967.	2.5	1
314	Optimization of heat transfer rate of trihybrid nanofluid Embedded between two horizontal coaxial cylinders by RSM. Case Studies in Thermal Engineering, 2024, 60, 104637.	5.8	1
315	Benjamin Lewin: Wine Myths and Reality. Wine Appreciation Guild, San Francisco, 2010, 636 pp., ISBN 1934259519, \$60.00. Journal of Wine Economics, 2011, 6, 128-130.	1.2	0
316	An optimal analysis for magnetohydrodynamics <sc>Darcyâ€Forchheimer</sc> boundary layer radiative flow past a porous medium. Computational and Mathematical Methods, 2021, 3, e1136.	0.9	0
317	A numerical study of the micropolar nanofluid flow containing aluminum alloy nanoparticles over a variable thickened stretching sheet. International Journal of Modern Physics B, 0, , .	1.9	0
318	Numerical unsteady modeling for solidification of PCM containing nanomaterials with thermal effect. International Journal of Modern Physics B, 2024, 38, .	1.9	0
319	Reissnerâ€Nordstrom black hole and the gravitational waves formation. Indian Journal of Physics, 0, , .	1.7	0
320	Complete classification of static Bertottiâ€Robinson spacetime and its physical significance. Indian Journal of Physics, 2024, 98, 1545-1552.	1.7	0
321	Boosting constrained teachingâ€learning based optimization algorithm through group discussion. Scientific African, 2024, 24, e02126.	1.6	0
322	Modeling and Analysis of Hybrid Blood Nanofluid as Drug Carriers through Artery with Rheological Effects. Materials Proceedings, 0, , .	0.0	0
323	Cattaneo-Christov Heat Flux Model Effect on Magnetized Maxwell Nanofluid Flow over a Stretching Surface. Materials Proceedings, 0, , .	0.0	0
324	Dual solutions of magnetized radiative flow of Casson Nanofluid over a stretching/shrinking cylinder: Stability analysis. Heliyon, 2024, 10, e29696.	3.3	0

#	ARTICLE	IF	CITATIONS
325	Numerical simulation and stability analysis of radiative magnetized hybridized ferrofluid flow with acute magnetic force over shrinking/stretching surface. Results in Engineering, 2024, 22, 102315.	5.2	0
326	Global dynamics and computational modeling for analyzing and controlling Hepatitis B: A novel epidemic approach. PLoS ONE, 2024, 19, e0304375.	2.5	0
327	Geodesic deviation analysis of time conformal Schwarzschild like black hole. Indian Journal of Physics, 0, , .	1.7	0
328	Rayleigh-Benard convection and sensitivity analysis of magnetized couple stress water conveying bionanofluid flow with thermal diffusivities effect. Results in Engineering, 2024, 23, 102652.	5.2	0
329	Biologically driven isotope fractionation in ultrastructurally different shell portions of freshwater pearl mussels (<i>Margaritifera margaritifera</i>): Implications for stream water $\delta^{18}O$ reconstructions. Limnology and Oceanography Letters, 0, , .	3.8	0
330	Shape optimization study for heat and mass transport of magnetic fluid in a closed domain using a nonhomogeneous dynamic model. Case Studies in Thermal Engineering, 2024, 61, 104911.	5.8	0
331	Entropy generation and heat transfer analysis of unsteady micropolar magnetized hybrid-nanofluid flow over a radially stretchable permeable rotating disk with viscous and joule dissipation effects. International Journal of Thermofluids, 2024, , 100802.	7.8	0