

Wasim Jamshed

List of Publications by Year in descending order

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210
papers

5,710
citations

98825

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55
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times ranked

1742
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiative and viscous dissipative flowing influences on heat and mass transfer in MHD Casson fluid employing Galerkin finite element style. International Journal of Modern Physics B, 2024, 38, .	1.9	4
2	Computational finite element analysis of electromagnetic radiative nanofluid containing motile germs with chemical reactive process. International Journal of Modern Physics B, 2024, 38, .	1.9	1
3	Analysis and simulation of arbitrary order shallow water and Drinfeld-Sokolov-Wilson equations: Natural transform decomposition method. International Journal of Modern Physics B, 2024, 38, .	1.9	2
4	Numerical heat and solutal transfer simulation of fluid flowing <i>via</i> absorptive shrinkable sheet with Ohmic heat resistance. Numerical Heat Transfer; Part A: Applications, 2024, 85, 1552-1568.	2.1	11
5	Flow inspection of micropolar nanofluids with motile gyrotactic microorganisms across symmetric channel in porous medium by quasi-linearization technique. Numerical Heat Transfer, Part B: Fundamentals, 2024, 85, 58-75.	0.9	5
6	Computational study of magnetized and dual stratified effects on Non-Darcy Casson nanofluid flow: An activation energy analysis. Case Studies in Thermal Engineering, 2024, 53, 103804.	5.8	3
7	The effect of biogas and dimethyl ether on the thermal characteristics of a dual-fuel diesel engine: A numerical study. Biofuels, Bioproducts and Biorefining, 2024, 18, 125-138.	3.7	2
8	Computational treatment and thermic case study of entropy resulting from nanofluid flow of convergent/divergent channel by applying the Lorentz force. Case Studies in Thermal Engineering, 2024, 54, 104034.	5.8	5
9	Velocity and thermal slip impact towards GO-MoS ₂ /C ₃ H ₈ O ₃ hybridity nanofluid flowing via a moving Riga plate. Ain Shams Engineering Journal, 2024, 15, 102648.	6.6	8
10	Thermodynamic case study of boundary layer viscous nanofluid flow via a Riga surface by means of finite difference method. Case Studies in Thermal Engineering, 2024, 55, 104157.	5.8	1
11	Williamson MHD nanofluid flow via a porous exponentially stretching sheet with bioconvective fluxes. Case Studies in Thermal Engineering, 2024, 59, 104453.	5.8	1
12	Hydraulic and Hydroclimatic impact on dam seepage of civil and structural mechanisms with application of deep learning models. Results in Engineering, 2024, 23, 102420.	5.2	0
13	Studying the effect of various types of chemical reactions on hydrodynamic properties of dispersion and peristaltic flow of couple-stress fluid: Comprehensive examination. Journal of Molecular Liquids, 2024, 409, 125542.	5.0	0
14	Effects of time-dependent and radiation on a tri-hybrid nanofluid flowing on stretchable/shrinkable cylinders with irregular heat generation/absorption using Ohmic heating. Case Studies in Thermal Engineering, 2024, 62, 105167.	5.8	0
15	Computational investigation of heat transfer in a flow subjected to magnetohydrodynamic of Maxwell nanofluid over a stretched flat sheet with thermal radiation. Numerical Methods for Partial Differential Equations, 2023, 39, 3499-3519.	3.7	33
16	Numerical Simulations of Environmental Energy Features in Solar Pump Application by Using Hybrid Nanofluid Flow: Prandtl-Eyring Case. Energy and Environment, 2023, 34, 780-807.	4.5	14
17	Chemical reaction and thermal characteristics of Maxwell nanofluid flow-through solar collector as a potential solar energy cooling application: A modified Buongiorno's model. Energy and Environment, 2023, 34, 1409-1432.	4.5	24
18	The solution of twelfth order boundary value problems by the improved residual power series method: new approach. International Journal of Modelling and Simulation, 2023, 43, 64-74.	3.4	7

#	ARTICLE	IF	CITATIONS
19	Computational Galerkin Finite Element Method for Thermal Hydrogen Energy Utilization of First Grade Viscoelastic Hybrid Nanofluid Flowing Inside PTSC in Solar Powered Ship Applications. <i>Energy and Environment</i> , 2023, 34, 1031-1059.	4.5	11
20	Solar-HVAC Thermal Investigation Utilizing (Cu-AA7075/C6H9NaO7) MHD-Driven Hybrid Nanofluid Rotating Flow via Second-Order Convergent Technique: A Novel Engineering Study. <i>Arabian Journal for Science and Engineering</i> , 2023, 48, 3301-3322.	3.1	20
21	A Numerical Approach for Analyzing The Electromagnetohydrodynamic Flow Through a Rotating Microchannel. <i>Arabian Journal for Science and Engineering</i> , 2023, 48, 3765-3781.	3.1	4
22	Thermal scrutinization of magnetohydrodynamics CuO engine oil nanofluid flow across a horizontal surface via Koo's "Kleinstreuer" Li modeling: A thermal case study. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2023, 237, 1935-1948.	2.5	2
23	Application of the successive over relaxation method for analyzing the dusty flow over a surface subject to convective boundary condition. <i>Ain Shams Engineering Journal</i> , 2023, 14, 102044.	6.6	4
24	Radiative and porosity effects of trihybrid Casson nanofluids with Bäckström flow and inconstant heat source by Yamada-Ota and Xue models. <i>AEJ - Alexandria Engineering Journal</i> , 2023, 66, 457-473.	6.7	35
25	Numerical Crank-Nicolson methodology analysis for hybridity aluminium alloy nanofluid flowing based-water via stretchable horizontal plate with thermal resistive effect. <i>Case Studies in Thermal Engineering</i> , 2023, 42, 102707.	5.8	21
26	Entropy and thermal case description of monophasic magneto nanofluid with thermal jump and Ohmic heating employing finite element methodology. <i>Case Studies in Thermal Engineering</i> , 2023, 45, 102919.	5.8	13
27	Electro-magnetic radiative flowing of Williamson-dusty nanofluid along elongating sheet: Nanotechnology application. <i>Arabian Journal of Chemistry</i> , 2023, 16, 104698.	5.1	24
28	Mechanical engineering advantages of a dual fuel diesel engine powered by diesel and aqueous ammonia blends. <i>Fuel</i> , 2023, 346, 128398.	6.6	16
29	Effect of Cattaneo-Christov heat flux case on Darcy-Forchheimer flowing of Sutterby nanofluid with chemical reactive and thermal radiative impacts. <i>Case Studies in Thermal Engineering</i> , 2023, 42, 102737.	5.8	27
30	Perturbation methodology for electromagnetic radiative fluxing of chemical reactive Casson fluid flow under heat source (sink) effectiveness. <i>International Journal of Modern Physics B</i> , 2023, 37, .	1.9	3
31	Impact of Thermal Radiation on MHD GO-Fe2O4/EG Flow and Heat Transfer over a Moving Surface. <i>Symmetry</i> , 2023, 15, 584.	2.3	9
32	Using oxy-hydrogen gas to enhance efficacy and reduce emissions of diesel engine. <i>Ain Shams Engineering Journal</i> , 2023, 14, 102217.	6.6	7
33	Experimental and numerical study of using of LPG on characteristics of dual fuel diesel engine under variable compression ratio. <i>Arabian Journal of Chemistry</i> , 2023, 16, 104899.	5.1	17
34	Solar radiative and chemical reactive influences on electromagnetic Maxwell nanofluid flow in Buongiorno model. <i>Journal of Magnetism and Magnetic Materials</i> , 2023, 576, 170748.	2.3	28
35	Accurate solution of unsteadiness natural convective Maxwell nanofluid based-mineral oil flow via oscillation vertical surface: Thermic case specification. <i>Case Studies in Thermal Engineering</i> , 2023, 46, 103021.	5.8	2
36	Thermal transport and characterized flow of trihybridity Tiwari and Das Sisko nanofluid via a stenosis artery: A case study. <i>Case Studies in Thermal Engineering</i> , 2023, 47, 103064.	5.8	27

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37	Case study of autocatalysis reactions on tetra hybrid binary nanofluid flow via Riga wedge: Biofuel thermal application. <i>Case Studies in Thermal Engineering</i> , 2023, 47, 103058.	5.8	31
38	Cubic Chemical Autocatalysis and Oblique Magneto Dipole Effectiveness on Cross Nanofluid Flow via a Symmetric Stretchable Wedge. <i>Symmetry</i> , 2023, 15, 1145.	2.3	10
39	Transient conditions effects on electromagnetic Casson fluid flow via stretching surface: System thermal case elaboration. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2023, 84, 539-555.	0.9	8
40	Thermal case examination of inconstant heat source (sink) on viscous radiative Sutterby nanofluid flowing via a penetrable rotative cone. <i>Case Studies in Thermal Engineering</i> , 2023, 48, 103102.	5.8	9
41	Thermal case classification of solar-powered cars for binary tetra hybridity nanofluid using Cash and Carp method with Hamilton-Crosser model. <i>Case Studies in Thermal Engineering</i> , 2023, 49, 103174.	5.8	13
42	Chemical reactive process of unsteady bioconvective magneto Williamson nanofluid flow across wedge with nonlinearly thermal radiation: Darcy-Forchheimer model. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2023, 84, 432-448.	0.9	10
43	Insights into the thermal attributes of sodium alginate (NaCHO) based nanofluids in a three-dimensional rotating frame: A comparative case study. <i>Case Studies in Thermal Engineering</i> , 2023, 49, 103211.	5.8	9
44	A case study of different magnetic strength fields and thermal energy effects in vortex generation of Ag-TiO ₂ hybrid nanofluid flow. <i>Case Studies in Thermal Engineering</i> , 2023, 47, 103115.	5.8	30
45	Investigating the effect of milling time on structural, mechanical and tribological properties of a nanostructured hiped alpha alumina for biomaterial applications. <i>Arabian Journal of Chemistry</i> , 2023, 16, 105112.	5.1	13
46	Irreversibility analysis of hydromagnetic nanofluid flow past a horizontal surface via Koo-Kleinstreuer-Li (KKL) model. <i>Heliyon</i> , 2023, 9, e17668.	3.3	1
47	Vortex generation due to multiple localized magnetic fields in the hybrid nanofluid flow – A numerical investigation. <i>Heliyon</i> , 2023, 9, e17756.	3.3	12
48	Catalysis reaction influence on 3D tetra hybrid nanofluid flow via oil rig solar panel sheet: Case study towards oil extraction. <i>Case Studies in Thermal Engineering</i> , 2023, 49, 103261.	5.8	14
49	Assessment of diesel engine thermo-characteristics working with hybrid fuel blends. <i>Numerical Heat Transfer; Part A: Applications</i> , 2023, 84, 659-674.	2.1	2
50	Error analysis of zirconium and zinc oxides/kerosene oil-based hybrid nanofluid flow between rotating disks: An innovative case study. <i>Case Studies in Thermal Engineering</i> , 2023, 51, 103549.	5.8	9
51	Thermal analysis of magnetohydrodynamics (MHD) Casson fluid with suspended iron (II, III) oxide-aluminum oxide-titanium dioxide ternary-hybrid nanostructures. <i>Journal of Magnetism and Magnetic Materials</i> , 2023, 586, 171223.	2.3	12
52	Artificial neural network modeling of mixed convection viscoelastic hybrid nanofluid across a circular cylinder with radiation effect: Case study. <i>Case Studies in Thermal Engineering</i> , 2023, 50, 103487.	5.8	25
53	A thermal case study of three dimensional MHD rotating flow comprising of multi-wall carbon nanotubes (MWCNTs) for sustainable energy systems. <i>Case Studies in Thermal Engineering</i> , 2023, 50, 103504.	5.8	11
54	Micro-structured fluid within a channel under static and oscillatory pressure gradients: A novel Darcy-Forchheimer flow investigation. <i>Engineering Science and Technology, an International Journal</i> , 2023, 47, 101544.	3.3	2

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55	Case study of heat generation/absorption and activation energy on MHD hybrid nanofluid (GO-MoS ₂ /water) flow owing to a rotating disk. <i>Case Studies in Thermal Engineering</i> , 2023, 51, 103632.	5.8	3
56	Inclined magnetic force impact on cross nanofluid flowing with widening shallow and heat generating by using artificial neural network (ANN). <i>Case Studies in Thermal Engineering</i> , 2023, 52, 103690.	5.8	7
57	Heat generation (absorption) in 3D bioconvection flow of Casson nanofluid via a convective heated stretchable surface. <i>Journal of Molecular Liquids</i> , 2023, 392, 123503.	5.0	7
58	Computational examination of Casson nanofluid due to a non-linear stretching sheet subjected to particle shape factor: Tiwari and Das model. <i>Numerical Methods for Partial Differential Equations</i> , 2022, 38, 848-875.	3.7	30
59	Thermal augmentation in solar aircraft using tangent hyperbolic hybrid nanofluid: A solar energy application. <i>Energy and Environment</i> , 2022, 33, 1090-1133.	4.5	43
60	Intelligent Computing with Levenberg-Marquardt Backpropagation Neural Networks for Third-Grade Nanofluid Over a Stretched Sheet with Convective Conditions. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 8211-8229.	3.1	23
61	Finite element method in thermal characterization and streamline flow analysis of electromagnetic silver-magnesium oxide nanofluid inside grooved enclosure. <i>International Communications in Heat and Mass Transfer</i> , 2022, 130, 105795.	5.7	33
62	Impact of surface temperature and convective boundary conditions on a Nanofluid flow over a radially stretched Riga plate. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2022, 236, 942-952.	2.5	7
63	Entropy Amplified solitary phase relative probe on engine oil based hybrid nanofluid. <i>Chinese Journal of Physics</i> , 2022, 77, 1654-1681.	4.0	28
64	Thermal radiative mixed convection flow of MHD Maxwell nanofluid: Implementation of buongiorno's model. <i>Chinese Journal of Physics</i> , 2022, 77, 1465-1478.	4.0	69
65	Impact of gold nanoparticles along with Maxwell velocity and Smoluchowski temperature slip boundary conditions on fluid flow: Sutterby model. <i>Chinese Journal of Physics</i> , 2022, 77, 1387-1404.	4.0	24
66	Solar water-pump thermal analysis utilizing copper-gold/engine oil hybrid nanofluid flowing in parabolic trough solar collector: Thermal case study. <i>Case Studies in Thermal Engineering</i> , 2022, 30, 101756.	5.8	55
67	Effect of a rotating cylinder on the 3D MHD mixed convection in a phase change material filled cubic enclosure. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 51, 101879.	2.9	14
68	Cumulative Impact of Micropolar Fluid and Porosity on MHD Channel Flow: A Numerical Study. <i>Coatings</i> , 2022, 12, 93.	2.7	21
69	Utilization of modified fluxes on thermal and mass transportation in Williamson material. <i>Advances in Mechanical Engineering</i> , 2022, 14, 168781402210758.	1.6	6
70	Chemical Reactive and Viscous Dissipative Flow of Magneto Nanofluid via Natural Convection by Employing Galerkin Finite Element Technique. <i>Coatings</i> , 2022, 12, 151.	2.7	19
71	Thermal efficiency enhancement of solar aircraft by utilizing unsteady hybrid nanofluid: A single-phase optimized entropy analysis. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 52, 101898.	2.9	22
72	Heat flow saturate of Ag/MgO-water hybrid nanofluid in heated trigonal enclosure with rotate cylindrical cavity by using Galerkin finite element. <i>Scientific Reports</i> , 2022, 12, 2302.	3.4	43

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73	Radiation effect on MHD Casson fluid flow over an inclined non-linear surface with chemical reaction in a Forchheimer porous medium. AEJ - Alexandria Engineering Journal, 2022, 61, 8207-8220.	6.7	86
74	Dynamics of convective slippery constraints on hybrid radiative Sutterby nanofluid flow by Galerkin finite element simulation. Nanotechnology Reviews, 2022, 11, 1219-1236.	5.9	28
75	Thermal analysis for $A_{2}O_{3}$ sodium alginate magnetized Jeffrey's nanofluid flow past a stretching sheet embedded in a porous medium. Scientific Reports, 2022, 12, 3287.	3.4	10
76	Entropy analysis of radiative $[MgZn_{6}Zr-Cu/EO]$ Casson hybrid nanofluid with variant thermal conductivity along a stretching surface: Implementing Keller box method. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 6501-6520.	2.0	13
77	Physical specifications of MHD mixed convective of Ostwald-de Waele nanofluids in a vented-cavity with inner elliptic cylinder. International Communications in Heat and Mass Transfer, 2022, 134, 106038.	5.7	73
78	Steady Magnetohydrodynamic Micropolar Fluid Flow and Heat and Mass Transfer in Permeable Channel with Thermal Radiation. Coatings, 2022, 12, 11.	2.7	8
79	2D mixed convection non-Darcy model with radiation effect in a nanofluid over an inclined wavy surface. AEJ - Alexandria Engineering Journal, 2022, 61, 9965-9976.	6.7	40
80	On Chemical Invariants of Semitotal-Point Graph and Its Line Structure of the Acyclic Kragujevac Network: A Novel Mathematical Analysis. Journal of Chemistry, 2022, 2022, 1-20.	2.0	3
81	The flow, thermal and mass properties of Soret-Dufour model of magnetized Maxwell nanofluid flow over a shrinkage inclined surface. PLoS ONE, 2022, 17, e0267148.	2.5	28
82	Buoyancy force and Arrhenius energy impacts on Buongiorno electromagnetic nanofluid flow containing gyrotactic microorganism. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 9459-9471.	2.0	18
83	Raising thermal efficiency of solar water pump using Oldroyd nanofluids' flow: An optimal thermal application. Energy Science and Engineering, 2022, 10, 4286-4303.	3.9	9
84	Hydrogen energy storage optimization in solar-HVAC using Sutterby nanofluid via Koo-Kleinstreuer and Li (KKL) correlations model: A solar thermal application. International Journal of Hydrogen Energy, 2022, 47, 18877-18891.	7.2	34
85	Quasi-linearization analysis for heat and mass transfer of magnetically driven 3rd-grade (Cu-TiO ₂ /engine oil) nanofluid via a convectively heated surface. International Communications in Heat and Mass Transfer, 2022, 135, 106060.	5.7	34
86	A finite element analysis of thermal energy inclination based on ternary hybrid nanoparticles influenced by induced magnetic field. International Communications in Heat and Mass Transfer, 2022, 135, 106074.	5.7	53
87	Galerkin finite element inspection of thermal distribution of renewable solar energy in presence of binary nanofluid in parabolic trough solar collector. AEJ - Alexandria Engineering Journal, 2022, 61, 11063-11076.	6.7	36
88	Thermal analysis characterisation of solar-powered ship using Oldroyd hybrid nanofluids in parabolic trough solar collector: An optimal thermal application. Nanotechnology Reviews, 2022, 11, 2015-2037.	5.9	40
89	Numerical study of magnetic field interaction with fully developed flow in a vertical duct. AEJ - Alexandria Engineering Journal, 2022, 61, 11351-11363.	6.7	15
90	Thermal valuation and entropy inspection of second-grade nanoscale fluid flow over a stretching surface by applying Koo-Kleinstreuer-Li relation. Nanotechnology Reviews, 2022, 11, 2061-2077.	5.9	16

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91	Features and aspects of radioactive flow and slippage velocity on rotating two-phase Prandtl nanofluid with zero mass fluxing and convective constraints. <i>International Communications in Heat and Mass Transfer</i> , 2022, 136, 106180.	5.7	26
92	Thermal cooling process by nanofluid flowing near stagnating point of expanding surface under induced magnetism force: A computational case study. <i>Case Studies in Thermal Engineering</i> , 2022, 36, 102190.	5.8	4
93	Irregular heat source impact on carreau nanofluid flowing via exponential expanding cylinder: A thermal case study. <i>Case Studies in Thermal Engineering</i> , 2022, 36, 102171.	5.8	48
94	Computational technique of thermal comparative examination of Cu and Au nanoparticles suspended in sodium alginate as Sutterby nanofluid via extending PTSC surface. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2022, 20, 228080002211040.	1.7	12
95	Effectiveness of Nonuniform Heat Generation (Sink) and Thermal Characterization of a Carreau Fluid Flowing across a Nonlinear Elongating Cylinder: A Numerical Study. <i>ACS Omega</i> , 2022, 7, 25309-25320.	3.6	65
96	A mathematical model of blood flow in a stenosed artery with post-stenotic dilatation and a forced field. <i>PLoS ONE</i> , 2022, 17, e0266727.	2.5	23
97	Galerkin finite element solution for electromagnetic radiative impact on viscid Williamson two-phase nanofluid flow via extendable surface. <i>International Communications in Heat and Mass Transfer</i> , 2022, 137, 106243.	5.7	71
98	Statistical analysis of viscous hybridized nanofluid flowing via Galerkin finite element technique. <i>International Communications in Heat and Mass Transfer</i> , 2022, 137, 106244.	5.7	77
99	Electromagnetic Control and Dynamics of Generalized Burgers's™ Nanofluid Flow Containing Motile Microorganisms with Cattaneo-Christov Relations: Galerkin Finite Element Mechanism. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 8636.	2.6	21
100	Shape-factor and radiative flux impacts on unsteady graphene-copper hybrid nanofluid with entropy optimisation: Cattaneo-Christov heat flux theory. <i>Pramana - Journal of Physics</i> , 2022, 96, .	1.6	12
101	Activation Energy and Inclination Magnetic Dipole Influences on Carreau Nanofluid Flowing via Cylindrical Channel with an Infinite Shearing Rate. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 8779.	2.6	18
102	Rheology of Variable Viscosity-Based Mixed Convective Inclined Magnetized Cross Nanofluid with Varying Thermal Conductivity. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 9041.	2.6	23
103	Galerkin Finite Element Process for Entropy Production and Thermal Evaluation of Third-Grade Fluid Flow: A Thermal Case Study. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 9647.	2.6	2
104	Molecular Interaction and Magnetic Dipole Effects on Fully Developed Nanofluid Flowing via a Vertical Duct Applying Finite Volume Methodology. <i>Symmetry</i> , 2022, 14, 2007.	2.3	24
105	A Self-Similar Approach to Study Nanofluid Flow Driven by a Stretching Curved Sheet. <i>Symmetry</i> , 2022, 14, 1991.	2.3	2
106	Trace of Chemical Reactions Accompanied with Arrhenius Energy on Ternary Hybridity Nanofluid Past a Wedge. <i>Symmetry</i> , 2022, 14, 1850.	2.3	39
107	Quasi-Linearization Analysis for Entropy Generation in MHD Mixed-Convection Flow of Casson Nanofluid over Nonlinear Stretching Sheet with Arrhenius Activation Energy. <i>Symmetry</i> , 2022, 14, 1940.	2.3	5
108	Unsteady Electro-Hydrodynamic Stagnating Point Flow of Hybridized Nanofluid via a Convectively Heated Enlarging (Dwindling) Surface with Velocity Slippage and Heat Generation. <i>Symmetry</i> , 2022, 14, 2136.	2.3	4

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109	Spectral Relaxation Methodology for Chemical and Bioconvection Processes for Cross Nanofluid Flowing around an Oblique Cylinder with a Slanted Magnetic Field Effect. <i>Coatings</i> , 2022, 12, 1560.	2.7	22
110	Dynamics of Stochastic Zika Virus with Treatment Class in Human Population via Spectral Method. <i>Symmetry</i> , 2022, 14, 2137.	2.3	9
111	Computational Analysis of Viscoplastic Nanofluid Blending by a Newly Modified Anchorage Impeller within a Stirred Container. <i>Symmetry</i> , 2022, 14, 2279.	2.3	7
112	MHD Pulsatile Flow of Blood-Based Silver and Gold Nanoparticles between Two Concentric Cylinders. <i>Symmetry</i> , 2022, 14, 2254.	2.3	8
113	Imposed magnetic field impact on vortex generation in the laminar nanofluid flow: A computational approach. <i>International Communications in Heat and Mass Transfer</i> , 2022, 139, 106469.	5.7	1
114	Finite Element Methodology of Hybridity Nanofluid Flowing in Diverse Wavy Sides of Penetrable Cylindrical Chamber under a Parallel Magnetic Field with Entropy Generation Analysis. <i>Micromachines</i> , 2022, 13, 1905.	3.0	8
115	Mathematical Entropy Analysis of Natural Convection of MWCNTâ€”Fe ₃ O ₄ /Water Hybrid Nanofluid with Parallel Magnetic Field via Galerkin Finite Element Process. <i>Symmetry</i> , 2022, 14, 2312.	2.3	17
116	Thermal radiative flux and energy of Arrhenius evaluation on stagnating point flowing of Carreau nanofluid: A thermal case study. <i>Case Studies in Thermal Engineering</i> , 2022, 40, 102583.	5.8	33
117	Numerical investigation of MHD impact on Maxwell nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2021, 120, 104973.	5.7	124
118	Entropy analysis of Powellâ€”Eyring hybrid nanofluid including effect of linear thermal radiation and viscous dissipation. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 1331-1343.	3.6	130
119	Hydrothermal and Entropy Investigation of Ag/MgO/H ₂ O Hybrid Nanofluid Natural Convection in a Novel Shape of Porous Cavity. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1722.	2.6	56
120	Comprehensive study of thermophoretic diffusion deposition velocity effect on heat and mass transfer of ferromagnetic fluid flow along a stretching cylinder. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2021, 235, 1479-1489.	2.5	58
121	Single phase based study of Ag-Cu/EO Williamson hybrid nanofluid flow over a stretching surface with shape factor. <i>Physica Scripta</i> , 2021, 96, 065202.	2.5	116
122	Keller box study for inclined magnetically driven Casson nanofluid over a stretching sheet: single phase model. <i>Physica Scripta</i> , 2021, 96, 065201.	2.5	49
123	Computational singleâ€”phase comparative study of a Williamson nanofluid in a parabolic trough solar collector via the Keller box method. <i>International Journal of Energy Research</i> , 2021, 45, 10696-10718.	4.4	132
124	Heat transfer analysis of MHD rotating flow of Fe ₃ O ₄ nanoparticles through a stretchable surface. <i>Communications in Theoretical Physics</i> , 2021, 73, 075004.	2.4	42
125	Radiative heat transfer of second grade nanofluid flow past a porous flat surface: a single-phase mathematical model. <i>Physica Scripta</i> , 2021, 96, 064006.	2.5	120
126	Study on heat transfer aspects of solar aircraft wings for the case of Reiner-Philippoff hybrid nanofluid past a parabolic trough: Keller box method. <i>Physica Scripta</i> , 2021, 96, 095220.	2.5	41

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127	Extension of natural transform method with Daftardar-Jafari polynomials for fractional order differential equations. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 3205-3217.	6.7	11
128	Micropolar fluid past a convectively heated surface embedded with nth order chemical reaction and heat source/sink. <i>Physica Scripta</i> , 2021, 96, 104010.	2.5	42
129	Galerkin finite element analysis of thermal aspects of FeO-MWCNT/water hybrid nanofluid filled in wavy enclosure with uniform magnetic field effect. <i>International Communications in Heat and Mass Transfer</i> , 2021, 126, 105461.	5.7	104
130	Magneto hydrodynamics Natural Convection of a Triangular Cavity Involving Ag-MgO/Water Hybrid Nanofluid and Provided with Rotating Circular Barrier and a Quarter Circular Porous Medium at its Right-Angled Corner. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 12573-12597.	3.1	43
131	Numerical simulations and analysis for mathematical model of avascular tumor growth using Gompertz growth rate function. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 3731-3740.	6.7	11
132	Evaluating the unsteady Casson nanofluid over a stretching sheet with solar thermal radiation: An optimal case study. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101160.	5.8	148
133	Computational analysis of Ohmic and viscous dissipation effects on MHD heat transfer flow of -PVA Jeffrey nanofluid through a stretchable surface. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101148.	5.8	25
134	Thermal and thermo-hydraulic behaviour of alumina-graphene hybrid nanofluid in minichannel heat sink: An experimental study. <i>International Journal of Energy Research</i> , 2021, 45, 20700-20714.	4.4	21
135	Von Karman rotating nanofluid flow with modified Fourier law and variable characteristics in liquid and gas scenarios. <i>Scientific Reports</i> , 2021, 11, 16442.	3.4	16
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