

Wasim Jamshed

List of Publications by Year in descending order

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papers

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117625

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docs citations

121
times ranked

767
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.6	26
2	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.	4.6	12
3	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.	4.6	19
4	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.	3.3	5
5	Computational Galerkin Finite Element Method for Thermal Hydrogen Energy Utilization of First Grade Viscoelastic Hybrid Nanofluid Flowing Inside PTSC in Solar Powered Ship Applications. Energy and Environment, 2023, 34, 1031-1059.	4.6	11
6	Computational examination of Casson nanofluid due to a $\langle scp \rangle non\text{-}linear \langle /scp \rangle$ stretching sheet subjected to particle shape factor: Tiwari and Das model. Numerical Methods for Partial Differential Equations, 2022, 38, 848-875.	3.6	26
7	Thermal augmentation in solar aircraft using tangent hyperbolic hybrid nanofluid: A solar energy application. Energy and Environment, 2022, 33, 1090-1133.	4.6	38
8	Intelligent Computing with Levenberg-Marquardt Backpropagation Neural Networks for Third-Grade Nanofluid Over a Stretched Sheet with Convective Conditions. Arabian Journal for Science and Engineering, 2022, 47, 8211-8229.	3.0	21
9	Finite element method in thermal characterization and streamline flow analysis of electromagnetic silver-magnesium oxide nanofluid inside grooved enclosure. International Communications in Heat and Mass Transfer, 2022, 130, 105795.	5.6	33
10	Impact of surface temperature and convective boundary conditions on a Nanofluid flow over a radially stretched Riga plate. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2022, 236, 942-952.	2.5	7
11	Entropy Amplified solitary phase relative probe on engine oil based hybrid nanofluid. Chinese Journal of Physics, 2022, 77, 1654-1681.	3.9	27
12	Thermal radiative mixed convection flow of MHD Maxwell nanofluid: Implementation of buongiorno's model. Chinese Journal of Physics, 2022, 77, 1465-1478.	3.9	56
13	Impact of gold nanoparticles along with Maxwell velocity and Smoluchowski temperature slip boundary conditions on fluid flow: Sutterby model. Chinese Journal of Physics, 2022, 77, 1387-1404.	3.9	21
14	Solar water-pump thermal analysis utilizing copper-gold/engine oil hybrid nanofluid flowing in parabolic trough solar collector: Thermal case study. Case Studies in Thermal Engineering, 2022, 30, 101756.	5.7	41
15	Effect of a rotating cylinder on the 3D MHD mixed convection in a phase change material filled cubic enclosure. Sustainable Energy Technologies and Assessments, 2022, 51, 101879.	2.7	14
16	Cumulative Impact of Micropolar Fluid and Porosity on MHD Channel Flow: A Numerical Study. Coatings, 2022, 12, 93.	2.6	18
17	Utilization of modified fluxes on thermal and mass transportation in Williamson material. Advances in Mechanical Engineering, 2022, 14, 168781402210758.	1.6	6
18	Chemical Reactive and Viscous Dissipative Flow of Magneto Nanofluid via Natural Convection by Employing Galerkin Finite Element Technique. Coatings, 2022, 12, 151.	2.6	17

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19	Thermal efficiency enhancement of solar aircraft by utilizing unsteady hybrid nanofluid: A single-phase optimized entropy analysis. Sustainable Energy Technologies and Assessments, 2022, 52, 101898.	2.7	20
20	Heat flow saturate of Ag/MgO-water hybrid nanofluid in heated trigonal enclosure with rotate cylindrical cavity by using Galerkin finite element. Scientific Reports, 2022, 12, 2302.	3.3	32
21	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.	6.4	62
22	Dynamics of convective slippery constraints on hybrid radiative Sutterby nanofluid flow by Galerkin finite element simulation. Nanotechnology Reviews, 2022, 11, 1219-1236.	5.8	25
23	Thermal analysis for NaAlO_2 "sodium alginate magnetized Jeffrey's nanofluid flow past a stretching sheet embedded in a porous medium. Scientific Reports, 2022, 12, 3287.	3.3	10
24	Entropy analysis of radiative $[\text{MgZn}_6\text{Zr-Cu/EO}]$ 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.	2.1	12
25	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.	5.6	70
26	Steady Magnetohydrodynamic Micropolar Fluid Flow and Heat and Mass Transfer in Permeable Channel with Thermal Radiation. Coatings, 2022, 12, 11.	2.6	8
27	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.	6.4	29
28	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.	1.9	3
29	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	26
30	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.	2.1	18
31	Raising thermal efficiency of solar water pump using Oldroyd-B nanofluids' flow: An optimal thermal application. Energy Science and Engineering, 2022, 10, 4286-4303.	4.0	8
32	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.	7.1	31
33	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.	5.6	28
34	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.	5.6	47
35	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.	6.4	22
36	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.	5.8	32

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37	Numerical study of magnetic field interaction with fully developed flow in a vertical duct. AEJ - Alexandria Engineering Journal, 2022, 61, 11351-11363.	6.4	15
38	Thermal valuation and entropy inspection of second-grade nanoscale fluid flow over a stretching surface by applying Koo's "Kleinstreuer" relation. Nanotechnology Reviews, 2022, 11, 2061-2077.	5.8	15
39	Numerical Case Study of Chemical Reaction Impact on MHD Micropolar Fluid Flow Past over a Vertical Riga Plate. Materials, 2022, 15, 4060.	2.9	14
40	Features and aspects of radioactive flow and slippage velocity on rotating two-phase Prandtl nanofluid with zero mass fluxing and convective constraints. International Communications in Heat and Mass Transfer, 2022, 136, 106180.	5.6	25
41	Thermal cooling process by nanofluid flowing near stagnating point of expanding surface under induced magnetism force: A computational case study. Case Studies in Thermal Engineering, 2022, 36, 102190.	5.7	4
42	Irregular heat source impact on carreau nanofluid flowing via exponential expanding cylinder: A thermal case study. Case Studies in Thermal Engineering, 2022, 36, 102171.	5.7	45
43	Computational technique of thermal comparative examination of Cu and Au nanoparticles suspended in sodium alginate as Sutterby nanofluid via extending PTSC surface. Journal of Applied Biomaterials and Functional Materials, 2022, 20, 228080002211040.	1.6	11
44	Effectiveness of Nonuniform Heat Generation (Sink) and Thermal Characterization of a Carreau Fluid Flowing across a Nonlinear Elongating Cylinder: A Numerical Study. ACS Omega, 2022, 7, 25309-25320.	3.5	55
45	A mathematical model of blood flow in a stenosed artery with post-stenotic dilatation and a forced field. PLoS ONE, 2022, 17, e0266727.	2.5	19
46	Galerkin finite element solution for electromagnetic radiative impact on viscid Williamson two-phase nanofluid flow via extendable surface. International Communications in Heat and Mass Transfer, 2022, 137, 106243.	5.6	65
47	Statistical analysis of viscous hybridized nanofluid flowing via Galerkin finite element technique. International Communications in Heat and Mass Transfer, 2022, 137, 106244.	5.6	69
48	Numerical investigation of MHD impact on Maxwell nanofluid. International Communications in Heat and Mass Transfer, 2021, 120, 104973.	5.6	118
49	Entropy analysis of Powell's "Eyring" hybrid nanofluid including effect of linear thermal radiation and viscous dissipation. Journal of Thermal Analysis and Calorimetry, 2021, 143, 1331-1343.	3.6	115
50	Hydrothermal and Entropy Investigation of Ag/MgO/H ₂ O Hybrid Nanofluid Natural Convection in a Novel Shape of Porous Cavity. Applied Sciences (Switzerland), 2021, 11, 1722.	2.5	52
51	Comprehensive study of thermophoretic diffusion deposition velocity effect on heat and mass transfer of ferromagnetic fluid flow along a stretching cylinder. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2021, 235, 1479-1489.	2.5	53
52	Single phase based study of Ag-Cu/EO Williamson hybrid nanofluid flow over a stretching surface with shape factor. Physica Scripta, 2021, 96, 065202.	2.5	108
53	Keller box study for inclined magnetically driven Casson nanofluid over a stretching sheet: single phase model. Physica Scripta, 2021, 96, 065201.	2.5	44
54	Computational single-phase comparative study of a Williamson nanofluid in a parabolic trough solar collector via the Keller box method. International Journal of Energy Research, 2021, 45, 10696-10718.	4.5	126

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55	Heat transfer analysis of MHD rotating flow of Fe_3O_4 nanoparticles through a stretchable surface. Communications in Theoretical Physics, 2021, 73, 075004.	2.5	40
56	Radiative heat transfer of second grade nanofluid flow past a porous flat surface: a single-phase mathematical model. Physica Scripta, 2021, 96, 064006.	2.5	114
57	Study on heat transfer aspects of solar aircraft wings for the case of Reiner-Philippoff hybrid nanofluid past a parabolic trough: Keller box method. Physica Scripta, 2021, 96, 095220.	2.5	40
58	Extension of natural transform method with Daftardar-Jafari polynomials for fractional order differential equations. AEJ - Alexandria Engineering Journal, 2021, 60, 3205-3217.	6.4	9
59	Micropolar fluid past a convectively heated surface embedded with nth order chemical reaction and heat source/sink. Physica Scripta, 2021, 96, 104010.	2.5	39
60	Galerkin finite element analysis of thermal aspects of FeO-MWCNT/water hybrid nanofluid filled in wavy enclosure with uniform magnetic field effect. International Communications in Heat and Mass Transfer, 2021, 126, 105461.	5.6	90
61	Magnetohydrodynamics 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. Arabian Journal for Science and Engineering, 2021, 46, 12573-12597.	3.0	40
62	Numerical simulations and analysis for mathematical model of avascular tumor growth using Gompertz growth rate function. AEJ - Alexandria Engineering Journal, 2021, 60, 3731-3740.	6.4	11
63	Evaluating the unsteady Casson nanofluid over a stretching sheet with solar thermal radiation: An optimal case study. Case Studies in Thermal Engineering, 2021, 26, 101160.	5.7	130
64	Computational analysis of Ohmic and viscous dissipation effects on MHD heat transfer flow of -PVA Jeffrey nanofluid through a stretchable surface. Case Studies in Thermal Engineering, 2021, 26, 101148.	5.7	23
65	Thermal and thermo-hydraulic behaviour of alumina-graphene hybrid nanofluid in minichannel heat sink: An experimental study. International Journal of Energy Research, 2021, 45, 20700-20714.	4.5	16
66	Von Karman rotating nanofluid flow with modified Fourier law and variable characteristics in liquid and gas scenarios. Scientific Reports, 2021, 11, 16442.	3.3	14
67	Computational frame work of Cattaneo-Christov heat flux effects on Engine Oil based Williamson hybrid nanofluids: A thermal case study. Case Studies in Thermal Engineering, 2021, 26, 101179.	5.7	106
68	Galerkin finite element analysis of magneto two-phase nanofluid flowing in double wavy enclosure comprehending an adiabatic rotating cylinder. Scientific Reports, 2021, 11, 16494.	3.3	34
69	Thermal analysis on Darcy-Forchheimer swirling Casson hybrid nanofluid flow inside parallel plates in parabolic trough solar collector: An application to solar aircraft. International Journal of Energy Research, 2021, 45, 20812-20834.	4.5	38
70	A numerical frame work of magnetically driven Powell-Eyring nanofluid using single phase model. Scientific Reports, 2021, 11, 16500.	3.3	43
71	Comparative Numerical Study of Thermal Features Analysis between Oldroyd-B Copper and Molybdenum Disulfide Nanoparticles in Engine-Oil-Based Nanofluids Flow. Coatings, 2021, 11, 1196.	2.6	25
72	Thermal expansion optimization in solar aircraft using tangent hyperbolic hybrid nanofluid: a solar thermal application. Journal of Materials Research and Technology, 2021, 14, 985-1006.	5.8	135

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73	Thermal growth in solar water pump using Prandtl–Eyring hybrid nanofluid: a solar energy application. <i>Scientific Reports</i> , 2021, 11, 18704.	3.3	72
74	Heat transfer enhancement through nanofluids with applications in automobile radiator. <i>Case Studies in Thermal Engineering</i> , 2021, 27, 101192.	5.7	25
75	Irreversibility process characteristics of variant viscosity and conductivity on hybrid nanofluid flow through Poiseuille microchannel: A special case study. <i>Case Studies in Thermal Engineering</i> , 2021, 27, 101337.	5.7	12
76	Thermal examination of renewable solar energy in parabolic trough solar collector utilizing Maxwell nanofluid: A noble case study. <i>Case Studies in Thermal Engineering</i> , 2021, 27, 101258.	5.7	59
77	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.	5.6	46
78	Computational case study on tangent hyperbolic hybrid nanofluid flow: Single phase thermal investigation. <i>Case Studies in Thermal Engineering</i> , 2021, 27, 101246.	5.7	32
79	Features of entropy optimization on viscous second grade nanofluid streamed with thermal radiation: A Tiwari and Das model. <i>Case Studies in Thermal Engineering</i> , 2021, 27, 101291.	5.7	43
80	Features of Cu and TiO ₂ in the flow of engine oil subject to thermal jump conditions. <i>Scientific Reports</i> , 2021, 11, 19592.	3.3	28
81	Galerkin finite element analysis of Darcy–Brinkman–Forchheimer natural convective flow in conical annular enclosure with discrete heat sources. <i>Energy Reports</i> , 2021, 7, 6172-6181.	5.1	30
82	MHD thermal boundary layer flow of a Casson fluid over a penetrable stretching wedge in the existence of nonlinear radiation and convective boundary condition. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 5473-5483.	6.4	30
83	A novel case study of thermal and streamline analysis in a grooved enclosure filled with (Ag–MgO/Water) hybrid nanofluid: Galerkin FEM. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101372.	5.7	40
84	Numerical treatment of 2D-Magneto double-diffusive convection flow of a Maxwell nanofluid: Heat transport case study. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101383.	5.7	17
85	Computational single phase comparative study of inclined MHD in a Powell–Eyring nanofluid. <i>Heat Transfer</i> , 2021, 50, 3879-3912.	3.0	10
86	Stratified heat transfer of magneto-tangent hyperbolic bio-nanofluid flow with gyrotactic microorganisms: Keller-Box solution technique. <i>Open Physics</i> , 2021, 19, 568-582.	1.7	1
87	Impact of Maxwell velocity slip and Smoluchowski temperature slip on CNTs with modified Fourier theory: Reiner-Philippoff model. <i>PLoS ONE</i> , 2021, 16, e0258367.	2.5	18
88	A comparative entropy based analysis of tangent hyperbolic hybrid nanofluid flow: Implementing finite difference method. <i>International Communications in Heat and Mass Transfer</i> , 2021, 129, 105671.	5.6	86
89	Thermal and solutal performance of Cu/CuO nanoparticles on a non-linear radially stretching surface with heat source/sink and varying chemical reaction effects. <i>International Communications in Heat and Mass Transfer</i> , 2021, 129, 105710.	5.6	44
90	Comprehensive analysis on copper-iron (II, III)/oxide-engine oil Casson nanofluid flowing and thermal features in parabolic trough solar collector. <i>Journal of Taibah University for Science</i> , 2021, 15, 619-636.	2.5	44

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91	Frequency Analysis for Functionally Graded Material Cylindrical Shells: A Significant Case Study. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-10.	1.1	1
92	Computational analysis of thermal energy distribution of electromagnetic Casson nanofluid across stretched sheet: Shape factor effectiveness of solid-particles. <i>Energy Reports</i> , 2021, 7, 7460-7477.	5.1	32
93	Partial velocity slip effect on working magneto non-Newtonian nanofluids flow in solar collectors subject to change viscosity and thermal conductivity with temperature. <i>PLoS ONE</i> , 2021, 16, e0259881.	2.5	25
94	Flow and heat transport phenomenon for dynamics of Jeffrey nanofluid past stretchable sheet subject to Lorentz force and dissipation effects. <i>Scientific Reports</i> , 2021, 11, 22924.	3.3	17
95	MHD darcy-forchheimer nanofluid flow and entropy optimization in an odd-shaped enclosure filled with a (MWCNT-Fe ₃ O ₄ /water) using galerkin finite element analysis. <i>Scientific Reports</i> , 2021, 11, 22635.	3.3	39
96	Galerkin finite element study for mixed convection (TiO ₂ -SiO ₂ /water) hybrid-nanofluidic flow in a triangular aperture heated beneath. <i>Scientific Reports</i> , 2021, 11, 22905.	3.3	16
97	Comparative Study on Effects of Thermal Gradient Direction on Heat Exchange between a Pure Fluid and a Nanofluid: Employing Finite Volume Method. <i>Coatings</i> , 2021, 11, 1481.	2.6	34
98	Heat and mass transfer effects of peristaltic motion of a Jeffery fluid in a tube. <i>Thermal Science</i> , 2021, 25, 185-192.	1.1	0
99	Computational examination of Jeffrey nanofluid through a stretchable surface employing Tiwari and Das model. <i>Open Physics</i> , 2021, 19, 897-911.	1.7	7
100	The improved thermal efficiency of Prandtl-Eyring hybrid nanofluid via classical Keller box technique. <i>Scientific Reports</i> , 2021, 11, 23535.	3.3	21
101	Thermal Characterization of Coolant Maxwell Type Nanofluid Flowing in Parabolic Trough Solar Collector (PTSC) Used Inside Solar Powered Ship Application. <i>Coatings</i> , 2021, 11, 1552.	2.6	69
102	MHD Hybrid Nanofluid Flow Due to Rotating Disk with Heat Absorption and Thermal Slip Effects: An Application of Intelligent Computing. <i>Coatings</i> , 2021, 11, 1554.	2.6	16
103	Entropy Optimized Second Grade Fluid with MHD and Marangoni Convection Impacts: An Intelligent Neuro-Computing Paradigm. <i>Coatings</i> , 2021, 11, 1492.	2.6	17
104	Influence of entropy on Brinkman-Forchheimer model of MHD hybrid nanofluid flowing in enclosure containing rotating cylinder and undulating porous stratum. <i>Scientific Reports</i> , 2021, 11, 24316.	3.3	26
105	Numerical solution of Catteno-Christov heat flux model over stretching/shrinking hybrid nanofluid by new iterative method. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101673.	5.7	9
106	Heat transfer and entropy analysis of Maxwell hybrid nanofluid including effects of inclined magnetic field, Joule heating and thermal radiation. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2020, 13, 2667-2690.	1.1	38
107	Mathematical model for thermal and entropy analysis of thermal solar collectors by using Maxwell nanofluids with slip conditions, thermal radiation and variable thermal conductivity. <i>Open Physics</i> , 2018, 16, 123-136.	1.7	56
108	A comparative entropy based analysis of Cu and Fe ₃ O ₄ /methanol Powell-Eyring nanofluid in solar thermal collectors subjected to thermal radiation, variable thermal conductivity and impact of different nanoparticles shape. <i>Results in Physics</i> , 2018, 9, 195-205.	4.1	90

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109	Entropy and heat transfer analysis using Cattaneo-Christov heat flux model for a boundary layer flow of Casson nanofluid. Results in Physics, 2018, 10, 640-649.	4.1	43
110	Cattaneo-Christov based study of TiO_2 -CuO/EG Casson hybrid nanofluid flow over a stretching surface with entropy generation. Applied Nanoscience (Switzerland), 2018, 8, 685-698.	3.1	133
111	Unsteady MHD slip flow of non Newtonian power-law nanofluid over a moving surface with temperature dependent thermal conductivity. Discrete and Continuous Dynamical Systems - Series S, 2018, 11, 617-630.	1.1	22
112	Mathematical model for thermal solar collectors by using magnetohydrodynamic Maxwell nanofluid with slip conditions, thermal radiation and variable thermal conductivity. Results in Physics, 2017, 7, 3425-3433.	4.1	21
113	Implementing renewable solar energy in presence of Maxwell nanofluid in parabolic trough solar collector: a computational study. Waves in Random and Complex Media, 0, , 1-32.	2.7	31
114	Numerical investigation of thin-film flow over a rotating disk subject to the heat source and nonlinear radiation: Lobatto IIIA approach. Waves in Random and Complex Media, 0, , 1-15.	2.7	22
115	Numerical investigation of generalized perturbed Zakharov-Kuznetsov equation of fractional order in dusty plasma. Waves in Random and Complex Media, 0, , 1-20.	2.7	2
116	Dynamical irreversible processes analysis of Poiseuille magneto-hybrid nanofluid flow in microchannel: A novel case study. Waves in Random and Complex Media, 0, , 1-23.	2.7	12
117	Mechanical improvement in solar aircraft by using tangent hyperbolic single-phase nanofluid. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 0, , 095440892110593.	2.5	12
118	Efficiency evaluation of solar water-pump using nanofluids in parabolic trough solar collector: 2nd order convergent approach. Waves in Random and Complex Media, 0, , 1-37.	2.7	12