

Hassan Waqas

List of Publications by Year in descending order

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126708

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139
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times ranked

1087
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis on the bioconvection flow of modified second-grade nanofluid containing gyrotactic microorganisms and nanoparticles. <i>Journal of Molecular Liquids</i> , 2019, 291, 111231.	2.3	154
2	Novel Physical Insights into the Thermodynamic Irreversibilities Within Dissipative EMHD Fluid Flows Past over a Moving Horizontal Riga Plate in the Coexistence of Wall Suction and Joule Heating Effects: A Comprehensive Numerical Investigation. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 9423-9438.	1.7	144
3	Significance of nonlinear thermal radiation in 3D Eyring-Powell nanofluid flow with Arrhenius activation energy. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 929-944.	2.0	142
4	Bioconvection flow of magnetized Carreau nanofluid under the influence of slip over a wedge with motile microorganisms. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 945-957.	2.0	130
5	Thermally developed Falkner-Skan bioconvection flow of a magnetized nanofluid in the presence of a motile gyrotactic microorganism: Buongiorno's nanofluid model. <i>Physica Scripta</i> , 2019, 94, 115304.	1.2	120
6	Thermally radioactive bioconvection flow of Carreau nanofluid with modified Cattaneo-Christov expressions and exponential space-based heat source. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 3073-3086.	3.4	113
7	Impact of MHD radiative flow of hybrid nanofluid over a rotating disk. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101015.	2.8	103
8	Bioconvection in the Rheology of Magnetized Couple Stress Nanofluid Featuring Activation Energy and Wu's Slip. <i>Journal of Non-Equilibrium Thermodynamics</i> , 2020, 45, 81-95.	2.4	99
9	A Numerical Exploration of Modified Second-Grade Nanofluid with Motile Microorganisms, Thermal Radiation, and Wu's Slip. <i>Symmetry</i> , 2020, 12, 393.	1.1	97
10	Bioconvection analysis for Sutterby nanofluid over an axially stretched cylinder with melting heat transfer and variable thermal features: A Marangoni and solutal model. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 4663-4675.	3.4	91
11	Significance of bioconvection in chemical reactive flow of magnetized Carreau-Yasuda nanofluid with thermal radiation and second-order slip. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 1293-1306.	2.0	76
12	Interaction of Wu's Slip Features in Bioconvection of Eyring Powell Nanoparticles with Activation Energy. <i>Processes</i> , 2019, 7, 859.	1.3	75
13	Applications of modified Darcy law and nonlinear thermal radiation in bioconvection flow of micropolar nanofluid over an off centered rotating disk. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 4607-4618.	3.4	73
14	Numerical performance of thermal conductivity in Bioconvection flow of cross nanofluid containing swimming microorganisms over a cylinder with melting phenomenon. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101181.	2.8	72
15	Activation Energy and Second Order Slip in Bioconvection of Oldroyd-B Nanofluid over a Stretching Cylinder: A Proposed Mathematical Model. <i>Processes</i> , 2019, 7, 914.	1.3	67
16	Theoretical analysis of tangent hyperbolic nanoparticles with combined electrical MHD, activation energy and Wu's slip features: a mathematical model. <i>Physica Scripta</i> , 2019, 94, 125211.	1.2	61
17	A mathematical model for bioconvection flow of Williamson nanofluid over a stretching cylinder featuring variable thermal conductivity, activation energy and second-order slip. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 205-217.	2.0	57
18	Numerical investigation on bioconvection flow of Oldroyd-B nanofluid with nonlinear thermal radiation and motile microorganisms over rotating disk. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 145, 523-539.	2.0	55

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19	Flash Flood Susceptibility Assessment and Zonation Using an Integrating Analytic Hierarchy Process and Frequency Ratio Model for the Chitral District, Khyber Pakhtunkhwa, Pakistan. <i>Water (Switzerland)</i> , 2021, 13, 1650.	1.2	55
20	Slip flow of micropolar nanofluid over a porous rotating disk with motile microorganisms, nonlinear thermal radiation and activation energy. <i>International Communications in Heat and Mass Transfer</i> , 2021, 122, 105161.	2.9	53
21	Double stratified analysis for bioconvection radiative flow of Sisko nanofluid with generalized heat/mass fluxes. <i>Physica Scripta</i> , 2021, 96, 055004.	1.2	51
22	Novel Numerical Computations on Flow of Nanoparticles in Porous Rotating Disk with Multiple Slip Effects and Microorganisms. <i>Journal of Nanofluids</i> , 2019, 8, 1423-1432.	1.4	50
23	Unsteady transient slip flow of Williamson nanofluid containing gyrotactic microorganism and activation energy. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 4315-4328.	3.4	49
24	Radiative flow of Maxwell nanofluid containing gyrotactic microorganism and energy activation with convective Nield conditions. <i>Heat Transfer - Asian Research</i> , 2019, 48, 1663-1687.	2.8	47
25	On doubly stratified bioconvective transport of Jeffrey nanofluid with gyrotactic motile microorganisms. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 1571-1583.	3.4	47
26	Slip flow of Maxwell viscoelasticity-based micropolar nanoparticles with porous medium: a numerical study. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2019, 40, 1255-1268.	1.9	46
27	Numerical analysis of dual variable of conductivity in bioconvection flow of Carreau-Yasuda nanofluid containing gyrotactic motile microorganisms over a porous medium. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 145, 2033-2044.	2.0	46
28	Falkner-Skan time-dependent bioconvection flow of cross nanofluid with nonlinear thermal radiation, activation energy and melting process. <i>International Communications in Heat and Mass Transfer</i> , 2021, 120, 105028.	2.9	45
29	Significance of Bioconvective and Thermally Dissipation Flow of Viscoelastic Nanoparticles with Activation Energy Features: Novel Biofuels Significance. <i>Symmetry</i> , 2020, 12, 214.	1.1	44
30	Effects of nonlinear thermal radiation and activation energy on modified second-grade nanofluid with Cattaneo-Christov expressions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 1175-1186.	2.0	44
31	Forest fire monitoring using spatial-statistical and Geo-spatial analysis of factors determining forest fire in Margalla Hills, Islamabad, Pakistan. <i>Geomatics, Natural Hazards and Risk</i> , 2021, 12, 1212-1233.	2.0	44
32	Numerical simulation for bioconvection effects on MHD flow of Oldroyd-B nanofluids in a rotating frame stretching horizontally. <i>Mathematics and Computers in Simulation</i> , 2020, 178, 166-182.	2.4	42
33	Thermal effect on bioconvection flow of Sutterby nanofluid between two rotating disks with motile microorganisms. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101136.	2.8	41
34	Influence of bioconvection on Maxwell nanofluid flow with the swimming of motile microorganisms over a vertical rotating cylinder. <i>Chinese Journal of Physics</i> , 2020, 68, 558-577.	2.0	40
35	Utilization of Second Order Slip, Activation Energy and Viscous Dissipation Consequences in Thermally Developed Flow of Third Grade Nanofluid with Gyrotactic Microorganisms. <i>Symmetry</i> , 2020, 12, 309.	1.1	40
36	Bioconvection transport of Carreau nanofluid with magnetic dipole and nonlinear thermal radiation. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101129.	2.8	40

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37	Simultaneous effects of bioconvection and velocity slip in three-dimensional flow of Eyring-Powell nanofluid with Arrhenius activation energy and binary chemical reaction. <i>International Communications in Heat and Mass Transfer</i> , 2020, 117, 104738.	2.9	39
38	Significance of magnetic field and activation energy on the features of stratified mixed radiative-convective couple-stress nanofluid flows with motile microorganisms. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 1425-1436.	3.4	39
39	EMHD flow of non-Newtonian nanofluids over thin needle with Robinson's condition and Arrhenius pre-exponential factor law. <i>Physica Scripta</i> , 2020, 95, 115219.	1.2	39
40	On bio-convection thermal radiation in Darcy's Forchheimer flow of nanofluid with gyrotactic motile microorganism under Wu's slip over stretching cylinder/plate. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2021, 31, 1520-1546.	1.6	38
41	Numerical study for bio-convection flow of tangent hyperbolic nanofluid over a Riga plate with activation energy. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 1803-1814.	3.4	38
42	Cattaneo-Christov heat flux and entropy generation on hybrid nanofluid flow in a nozzle of rocket engine with melting heat transfer. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101504.	2.8	36
43	Assessment of bioconvection in magnetized Sutterby nanofluid configured by a rotating disk: A numerical approach. <i>Modern Physics Letters B</i> , 2021, 35, 2150202.	1.0	35
44	Brownian motion and thermophoresis effects on bioconvection of rotating Maxwell nanofluid over a Riga plate with Arrhenius activation energy and Cattaneo-Christov heat flux theory. <i>Thermal Science and Engineering Progress</i> , 2021, 23, 100863.	1.3	35
45	Numerical simulation for melting heat transport in nanofluids due to quadratic stretching plate with nonlinear thermal radiation. <i>Case Studies in Thermal Engineering</i> , 2021, 27, 101300.	2.8	35
46	Simultaneous features of Wu's slip, nonlinear thermal radiation and activation energy in unsteady bio-convective flow of Maxwell nanofluid configured by a stretching cylinder. <i>Chinese Journal of Physics</i> , 2021, 73, 462-478.	2.0	33
47	Applications of activation energy along with thermal and exponential space-based heat source in bioconvection assessment of magnetized third grade nanofluid over stretched cylinder/sheet. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101043.	2.8	32
48	Activation energy and bioconvection aspects in generalized second-grade nanofluid over a Riga plate: a theoretical model. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 4445-4458.	1.6	31
49	Numerical computation for entropy generation in Darcy-Forchheimer transport of hybrid nanofluids with Cattaneo-Christov double-diffusion. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2022, 32, 1861-1882.	1.6	30
50	On the magnetized 3D flow of hybrid nanofluids utilizing nonlinear radiative heat transfer. <i>Physica Scripta</i> , 2021, 96, 095202.	1.2	28
51	Importance of shape factor in Sisko nanofluid flow considering gold nanoparticles. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 3665-3672.	3.4	28
52	Thermal transport in magnetized flow of hybrid nanofluids over a vertical stretching cylinder. <i>Case Studies in Thermal Engineering</i> , 2021, 27, 101219.	2.8	28
53	Numerical simulation of squeezing flow Jeffrey nanofluid confined by two parallel disks with the help of chemical reaction: effects of activation energy and microorganisms. <i>International Journal of Chemical Reactor Engineering</i> , 2021, 19, 717-725.	0.6	27
54	Significance of the nonlinear radiative flow of micropolar nanoparticles over porous surface with a gyrotactic microorganism, activation energy, and Nield's condition. <i>Heat Transfer - Asian Research</i> , 2019, 48, 3230-3256.	2.8	25

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55	Cattaneo-Christov double diffusions theories with bio-convection in nanofluid flow to enhance the efficiency of nanoparticles diffusion. Case Studies in Thermal Engineering, 2021, 26, 101017.	2.8	25
56	On melting heat transport and nanofluid in a nozzle of liquid rocket engine with entropy generation. Journal of Materials Research and Technology, 2021, 14, 3059-3069.	2.6	25
57	Magneto-Burgers Nanofluid Stratified Flow with Swimming Motile Microorganisms and Dual Variables Conductivity Configured by a Stretching Cylinder/Plate. Mathematical Problems in Engineering, 2021, 2021, 1-16.	0.6	25
58	Flow and heat transfer of nanofluid over a permeable cylinder with nonlinear thermal radiation. Journal of Materials Research and Technology, 2021, 14, 2579-2585.	2.6	24
59	Numerical computation of melting heat transfer in nonlinear radiative flow of hybrid nanofluids due to permeable stretching curved surface. Case Studies in Thermal Engineering, 2021, 27, 101348.	2.8	23
60	Computational Analysis of Nanoparticle Shapes on Hybrid Nanofluid Flow Due to Flat Horizontal Plate via Solar Collector. Nanomaterials, 2022, 12, 663.	1.9	23
61	Marangoni-bioconvective flow of Reiner-Philippoff nanofluid with melting phenomenon and nonuniform heat source/sink in the presence of a swimming microorganisms. Mathematical Methods in Applied Sciences, 2022, 45, 1-15.	1.2	22
62	Significance of surface-catalyzed reactions in bioconvective flow of Carreau nanofluid with melting phenomenon and nonuniform heat source/sink in the presence of a swimming microorganisms. Journal of Materials Research and Technology, 2021, 14, 3059-3069.	2.8	22
63	Thermo-bioconvection transport of nanofluid over an inclined stretching cylinder with Cattaneo-Christov double-diffusion. Communications in Theoretical Physics, 2021, 73, 075006.	1.1	21
64	Heat transfer improvement in hybrid nanofluid flow over a moving sheet with magnetic dipole. Waves in Random and Complex Media, 2021, 1-15.	1.6	21
65	Comparative analysis of hybrid nanofluids with Cattaneo-Christov heat flux model: A thermal case study. Case Studies in Thermal Engineering, 2022, 36, 102212.	2.8	21
66	Second-order slip effect on bio-convective viscoelastic nanofluid flow through a stretching cylinder with swimming microorganisms and melting phenomenon. Scientific Reports, 2021, 11, 11208.	1.6	20
67	Computation of nonlinear thermal radiation in magnetized nanofluid flow with entropy generation. Applied Mathematics and Computation, 2022, 423, 126900.	1.4	20
68	Bioconvection flow of Casson nanofluid by rotating disk with motile microorganisms. Journal of Materials Research and Technology, 2021, 13, 2392-2407.	2.6	19
69	Numerical investigation for 3D bioconvection flow of Carreau nanofluid with heat source/sink and motile microorganisms. AEJ - Alexandria Engineering Journal, 2022, 61, 2366-2375.	3.4	19
70	Entropy minimization in mixed convective Falkner-Skan flow of ZnO-SAE50 nanolubricant over stationary/moving Riga plate. Case Studies in Thermal Engineering, 2021, 26, 101176.	2.8	18
71	Aspects of thermal diffusivity and melting phenomenon in Carreau nanofluid flow confined by nonlinear stretching cylinder with convective Marangoni boundary constraints. Mathematics and Computers in Simulation, 2022, 195, 138-150.	2.4	18
72	Bioconvection aspects in non-Newtonian three-dimensional Carreau nanofluid flow with Cattaneo-Christov model and activation energy. European Physical Journal: Special Topics, 2021, 230, 1317-1330.	1.2	17

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73	Comparative study for magnetized flow of nanofluids between two parallel permeable stretching/shrinking surfaces. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101353.	2.8	17
74	Physical attributes of bio-convection in nanofluid flow through a paraboloid of revolution on horizontal surface with motile microorganisms. <i>International Communications in Heat and Mass Transfer</i> , 2022, 133, 105947.	2.9	17
75	Bioconvection mechanism using third-grade nanofluid flow with Cattaneo-Christov heat flux model and Arrhenius kinetics. <i>International Journal of Modern Physics B</i> , 2021, 35, 2150178.	1.0	16
76	Melting phenomenon of non-linear radiative generalized second grade nanoliquid. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101011.	2.8	16
77	Numerical simulation for magnetic dipole in bioconvection flow of Jeffrey nanofluid with swimming motile microorganisms. <i>Waves in Random and Complex Media</i> , 0, , 1-18.	1.6	15
78	Maxwell time-dependent nanofluid flow over a wedge covered with gyrotactic microorganism: an activation energy process. <i>International Journal of Ambient Energy</i> , 2022, 43, 5560-5570.	1.4	15
79	Thermal analysis of magnetized flow of AA7072-AA7075/blood-based hybrid nanofluids in a rotating channel. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 3059-3068.	3.4	15
80	Activation Energy and Thermal Radiation Aspects in Bioconvection Flow of Rate-Type Nanoparticles Configured by a Stretching/Shrinking Disk. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2020, 142, .	1.4	15
81	Investigation of 3D flow of magnetized hybrid nanofluid with heat source/sink over a stretching sheet. <i>Scientific Reports</i> , 2022, 12, .	1.6	15
82	Thermo-bioconvective transport of magneto-Casson nanofluid over a wedge containing motile microorganisms and variable thermal conductivity. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 2444-2454.	3.4	14
83	Numerical investigation for melting heat transport of nanofluids due to stretching surface with Cattaneo-Christov thermal model. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 6635-6644.	3.4	14
84	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.	1.6	14
85	Thermal transport analysis of six circular microchannel heat sink using nanofluid. <i>Scientific Reports</i> , 2022, 12, 8035.	1.6	14
86	Recent progress in melting heat phenomenon for bioconvection transport of nanofluid through a lubricated surface with swimming microorganisms. <i>Scientific Reports</i> , 2022, 12, 8447.	1.6	14
87	Effective Prandtl Aspects on Bio-Convective Thermally Developed Magnetized Tangent Hyperbolic Nanoliquid With Gyrotactic Microorganisms and Second Order Velocity Slip. <i>IEEE Access</i> , 2019, 7, 130008-130023.	2.6	13
88	Nonlinear thermally radiative heat transport for brinkman type micropolar nano-material over an inclined surface with motile microorganisms and exponential heat source. <i>International Communications in Heat and Mass Transfer</i> , 2021, 126, 105351.	2.9	13
89	Magnetized bioconvection flow of Sutterby fluid characterized by the suspension of nanoparticles across a wedge with activation energy. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2021, 101, e202000349.	0.9	13
90	MHD Forced Convective Flow of Micropolar Fluids Past a Moving Boundary Surface with Prescribed Heat Flux and Radiation. <i>British Journal of Mathematics & Computer Science</i> , 2017, 21, 1-14.	0.3	13

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91	Bioconvection in Cross Nano-Materials with Magnetic Dipole Impacted by Activation Energy, Thermal Radiation, and Second Order Slip. <i>Symmetry</i> , 2020, 12, 1019.	1.1	12
92	Three-Dimensional Radiative Bioconvective Flow of a Sisko Nanofluid with Motile Microorganisms. <i>Coatings</i> , 2021, 11, 335.	1.2	12
93	Joule heating, activation energy and modified diffusion analysis for 3D slip flow of tangent hyperbolic nanofluid with gyrotactic microorganisms. <i>Modern Physics Letters B</i> , 0, , 2150278.	1.0	12
94	Chemically reactive transport of magnetized hybrid nanofluids through Darcian porous medium. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101431.	2.8	12
95	Study of homogeneous and heterogeneous reactions in bioconvection stagnation point slip flow of Walter's-B nanofluid with nonlinear thermal radiation and activation energy. <i>International Communications in Heat and Mass Transfer</i> , 2021, 129, 105729.	2.9	12
96	A proposed unsteady bioconvection model for transient thin film flow of rate-type nanoparticles configured by rotating disk. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 1639-1654.	2.0	11
97	Combined magnetic and porosity effects on flow of time-dependent tangent hyperbolic fluid with nanoparticles and motile gyrotactic microorganism past a wedge with second-order slip. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 100962.	2.8	11
98	Thermo-bioconvection in stagnation point flow of third-grade nanofluid towards a stretching cylinder involving motile microorganisms. <i>Physica Scripta</i> , 2021, 96, 035208.	1.2	11
99	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.	1.6	10
100	Numerical treatment with Lobatto-IIIa scheme magneto-thermo-natural convection flow of casson nanofluid (MoS ₂ -Cu/SA) configured by a stretching cylinder in porous medium with multiple slips. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101132.	2.8	10
101	Significance of activation energy and Wu's slip features in Cross nanofluid with motile microorganisms. <i>Communications in Theoretical Physics</i> , 2020, 72, 105001.	1.1	10
102	Thermal transport of bio-convection flow of micropolar nanofluid with motile microorganisms and velocity slip effects. <i>Physica Scripta</i> , 2021, 96, 015220.	1.2	10
103	Impact of electro-magneto-hydrodynamics in radiative flow of nanofluids between two rotating plates. <i>AJ - Alexandria Engineering Journal</i> , 2022, 61, 10307-10317.	3.4	10
104	Unique morphologies of zinc oxide synthesized by thermal decomposition and coprecipitation routes: Ultraviolet absorption and luminescence characteristics. <i>Crystal Research and Technology</i> , 2015, 50, 379-388.	0.6	9
105	Numerical simulation for bio-convection flow of magnetized non-Newtonian nanofluid due to stretching cylinder/plate with swimming motile microorganisms. <i>European Physical Journal: Special Topics</i> , 2021, 230, 1239-1256.	1.2	9
106	Consequences of Fourier's and Fick's laws in bioconvective couple stress nanofluid flow configured by an inclined stretchable cylinder. <i>International Journal of Modern Physics B</i> , 2021, 35, 2150176.	1.0	9
107	Heat transfer enhancement in stagnation point flow of ferro-copper oxide/water hybrid nanofluid: A special case study. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101615.	2.8	9
108	Importance of bioconvection in 3D viscoelastic nanofluid flow due to exponentially stretching surface with nonlinear radiative heat transfer and variable thermal conductivity. <i>Journal of Thermal Analysis and Calorimetry</i> , 0, , 1.	2.0	8

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109	Bioconvection transport of magnetized Walter's B nanofluid across a cylindrical disk with nonlinear radiative heat transfer. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101097.	2.8	8
110	Thermal transport of hybrid nanofluids with entropy generation: A numerical simulation. <i>International Journal of Modern Physics B</i> , 2021, 35, 2150218.	1.0	8
111	Dynamic consequences of nonlinear radiative heat flux and heat generation/absorption effects in cross-diffusion flow of generalized micropolar nanofluid. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101451.	2.8	8
112	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.	1.5	8
113	Recent progress in melting phenomenon for magnetized hybrid nanofluid flow over a stretching surface with temperature dependent viscosity: a comparative study. <i>Journal of Materials Research and Technology</i> , 2021, 15, 3965-3973.	2.6	7
114	Study of radiative Reiner-Philippoff nanofluid model with gyrotactic microorganisms and activation energy: A Cattaneo-Christov Double Diffusion (CCDD) model analysis. <i>Chinese Journal of Physics</i> , 2021, 73, 569-580.	2.0	7
115	A thermal model for bio-convection transport of nanofluid due to stretching cylinder with Marangoni boundary conditions. <i>Waves in Random and Complex Media</i> , 0, , 1-17.	1.6	7
116	Investigation of thermal stratification and nonlinear thermal radiation in Darcy-Forchheimer transport of hybrid nanofluid by rotating disk with Marangoni convection. <i>International Journal of Ambient Energy</i> , 2022, 43, 6724-6731.	1.4	7
117	Bioconvection transport of magnetized micropolar nanofluid by a Riga plate with non-uniform heat sink/source. <i>Waves in Random and Complex Media</i> , 0, , 1-20.	1.6	6
118	Implication of Bio-convective Marangoni flow of non-Newtonian material towards an infinite disk subject to exponential space-based heat source. <i>International Journal of Modern Physics B</i> , 2021, 35, .	1.0	6
119	Analytical Solution for the Flow of a Generalized Oldroyd-B Fluid in a Circular Cylinder. <i>Open Journal of Mathematical Sciences</i> , 2017, 1, 85-96.	0.7	6
120	Heat transfer enhancement of hybrid nanofluids over porous cone. <i>International Journal of Chemical Reactor Engineering</i> , 2022, 20, 465-473.	0.6	6
121	Convective heat transfer in magnetized flow of nanofluids between two rotating parallel disks. <i>International Journal of Chemical Reactor Engineering</i> , 2022, 20, 411-422.	0.6	5
122	Numerical study for bioconvection transport of micropolar nanofluid over a thin needle with thermal and exponential space-based heat source. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101158.	2.8	5
123	Significance of melting process in magnetized transport of hybrid nanofluids: A three-dimensional model. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 3949-3957.	3.4	5
124	Cattaneo-Christov heat and mass flux effect on upper-convected Maxwell nanofluid with gyrotactic motile microorganisms over a porous sheet. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 52, 102037.	1.7	5
125	Bio-convective couple stress nanofluid behavior analysis with temperature-dependent viscosity and higher order slip encountered by a moving surface. <i>International Journal of Modern Physics B</i> , 2021, 35, 2150199.	1.0	4
126	Numerical study for bioconvection in magnetized flow of micropolar nanofluid utilizing gyrotactic motile microorganisms. <i>Waves in Random and Complex Media</i> , 0, , 1-16.	1.6	4

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127	Inspection of thermal jump conditions on nanofluids with nanoparticles and multiple slip effects. <i>Scientific Reports</i> , 2022, 12, 5586.	1.6	3
128	Cattaneo-Christov double diffusion and bioconvection in magnetohydrodynamic three-dimensional nanomaterials of non-Newtonian fluid containing microorganisms with variable thermal conductivity and thermal diffusivity. <i>Waves in Random and Complex Media</i> , 0, , 1-20.	1.6	3
129	In vitro cytotoxicity study of virgin, ethylenediaminetetraacetic acid- and hexamethylenetetramine-capped silica particles synthesized by precipitation method. <i>Chemical Papers</i> , 2020, 74, 1779-1789.	1.0	2
130	Inspection of modified Fourier's and Fick's laws in magnetized transport of Oldroyd-B nanofluid with swimming motile microorganisms: a theoretical model. <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	2
131	Nonlinear radiative transport of hybrid nanofluids due to moving sheet with entropy generation. <i>International Journal of Chemical Reactor Engineering</i> , 2021, .	0.6	2
132	Numerical simulation for magnetized transport of hybrid nanofluids with exponential space-based heat source. <i>International Journal of Modern Physics B</i> , 2021, 35, .	1.0	2
133	Comprehensive analysis of thermally radiative transport of Sisko fluid over a porous stretchable curved surface with gold nanoparticles. <i>International Journal of Modern Physics B</i> , 2022, 36, .	1.0	2
134	Thermal outcomes of Williamson pseudo-plastic nanofluid with microorganisms due to the heated Riga surface with bio-fuel applications. <i>Waves in Random and Complex Media</i> , 0, , 1-24.	1.6	2
135	Shear thinning and shear thickening aspects in magnetized 3D cross-nanofluid flow with activation energy and motile microorganisms. <i>Waves in Random and Complex Media</i> , 0, , 1-20.	1.6	1
136	Melting heat transfer in bioconvective transport of Williamson nanofluid over a wedge with exponential space and thermal-dependent heat source. <i>Waves in Random and Complex Media</i> , 0, , 1-31.	1.6	0
137	Marangoni transport of Jeffrey nanofluid due to circular horizontal cylinder with motile microorganisms. <i>Waves in Random and Complex Media</i> , 0, , 1-20.	1.6	0