

# Taseer Muhammad

## List of Publications by Year in descending order

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305  
papers

9,485  
citations

46918

47  
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85405

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308  
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308  
docs citations

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times ranked

1792  
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetohydrodynamic three-dimensional flow of viscoelastic nanofluid in the presence of nonlinear thermal radiation. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 385, 222-229.	1.0	284
2	A revised model for Darcy-Forchheimer flow of Maxwell nanofluid subject to convective boundary condition. <i>Chinese Journal of Physics</i> , 2017, 55, 963-976.	2.0	173
3	On magnetohydrodynamic three-dimensional flow of nanofluid over a convectively heated nonlinear stretching surface. <i>International Journal of Heat and Mass Transfer</i> , 2016, 100, 566-572.	2.5	159
4	On magnetohydrodynamic flow of nanofluid due to a rotating disk with slip effect: A numerical study. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017, 315, 467-477.	3.4	149
5	An analytical solution for magnetohydrodynamic Oldroyd-B nanofluid flow induced by a stretching sheet with heat generation/absorption. <i>International Journal of Thermal Sciences</i> , 2017, 111, 274-288.	2.6	148
6	Effects of homogeneous and heterogeneous reactions in flow of nanofluids over a nonlinear stretching surface with variable surface thickness. <i>Journal of Molecular Liquids</i> , 2016, 221, 1121-1127.	2.3	143
7	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
8	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
9	Darcy-Forchheimer flow with variable thermal conductivity and Cattaneo-Christov heat flux. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2016, 26, 2355-2369.	1.6	129
10	On squeezing flow of nanofluid in the presence of magnetic field effects. <i>Journal of Molecular Liquids</i> , 2016, 213, 179-185.	2.3	109
11	On Darcy-Forchheimer flow of carbon nanotubes due to a rotating disk. <i>International Journal of Heat and Mass Transfer</i> , 2017, 112, 248-254.	2.5	98
12	Numerical treatment for Carreau nanofluid flow over a porous nonlinear stretching surface. <i>Results in Physics</i> , 2018, 8, 1185-1193.	2.0	96
13	Darcy-Forchheimer flow of nanofluid due to a curved stretching surface. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019, 29, 2-20.	1.6	95
14	MHD flow of SWCNT and MWCNT nanoliquids past a rotating stretchable disk with thermal and exponential space dependent heat source. <i>Physica Scripta</i> , 2019, 94, 085214.	1.2	93
15	A revised model for Darcy-Forchheimer three-dimensional flow of nanofluid subject to convective boundary condition. <i>Results in Physics</i> , 2017, 7, 2791-2797.	2.0	92
16	Interaction of magnetic field in flow of Maxwell nanofluid with convective effect. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 389, 48-55.	1.0	91
17	On squeezed flow of couple stress nanofluid between two parallel plates. <i>Results in Physics</i> , 2017, 7, 553-561.	2.0	91
18	Significance of Darcy-Forchheimer Porous Medium in Nanofluid Through Carbon Nanotubes. <i>Communications in Theoretical Physics</i> , 2018, 70, 361.	1.1	87

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19	Homogeneous-heterogeneous reactions in MHD flow of micropolar fluid by a curved stretching surface. <i>Journal of Molecular Liquids</i> , 2017, 240, 209-220.	2.3	86
20	Fractional simulation for Darcy-Forchheimer hybrid nanoliquid flow with partial slip over a spinning disk. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 4787-4796.	3.4	86
21	Numerical study for Carreau nanofluid flow over a convectively heated nonlinear stretching surface with chemically reactive species. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 540, 123063.	1.2	85
22	On magnetohydrodynamic flow of second grade nanofluid over a nonlinear stretching sheet. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 408, 99-106.	1.0	84
23	Numerical study for heat generation/absorption in flow of nanofluid by a rotating disk. <i>Results in Physics</i> , 2018, 8, 785-792.	2.0	84
24	Comprehensive analysis of heat transfer of gold-blood nanofluid (Sisko-model) with thermal radiation. <i>Results in Physics</i> , 2017, 7, 4388-4393.	2.0	83
25	Numerical study for Darcy-Forchheimer flow due to a curved stretching surface with Cattaneo-Christov heat flux and homogeneous-heterogeneous reactions. <i>Results in Physics</i> , 2017, 7, 2886-2892.	2.0	79
26	Influence of Magnetic Field in Three-Dimensional Flow of Couple Stress Nanofluid over a Nonlinearly Stretching Surface with Convective Condition. <i>PLoS ONE</i> , 2015, 10, e0145332.	1.1	77
27	On MHD nonlinear stretching flow of Powell-Eyring nanomaterial. <i>Results in Physics</i> , 2017, 7, 535-543.	2.0	76
28	Three-dimensional flow of nanofluid with Cattaneo-Christov double diffusion. <i>Results in Physics</i> , 2016, 6, 897-903.	2.0	73
29	On Darcy-Forchheimer flow of viscoelastic nanofluids: A comparative study. <i>Journal of Molecular Liquids</i> , 2017, 233, 278-287.	2.3	73
30	Thermal analysis of peristaltic flow of nanosized particles within a curved channel with second-order partial slip and porous medium. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 1997-2009.	2.0	73
31	Hydromagnetic flow of Jeffrey nanofluid due to a curved stretching surface. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 551, 124060.	1.2	71
32	Darcy-Forchheimer relation in Casson type MHD nanofluid flow over non-linear stretching surface. <i>Propulsion and Power Research</i> , 2020, 9, 159-168.	2.0	69
33	Magnetohydrodynamic (MHD) three-dimensional flow of second grade nanofluid by a convectively heated exponentially stretching surface. <i>Journal of Molecular Liquids</i> , 2016, 220, 1004-1012.	2.3	67
34	On three-dimensional boundary layer flow of Sisko nanofluid with magnetic field effects. <i>Advanced Powder Technology</i> , 2016, 27, 504-512.	2.0	65
35	Impact of stratification phenomena on a nonlinear radiative flow of sutterby nanofluid. <i>Journal of Materials Research and Technology</i> , 2021, 15, 306-314.	2.6	65
36	Three-dimensional rotating flow of carbon nanotubes with Darcy-Forchheimer porous medium. <i>PLoS ONE</i> , 2017, 12, e0179576.	1.1	64

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37	New insights into the dynamics of alumina-(60% ethylene glycol+40% water) over an isothermal stretching sheet using a renovated Buongiorno's approach: A numerical GDQLM analysis. International Communications in Heat and Mass Transfer, 2022, 133, 105937.	2.9	62
38	Numerical study of boundary-layer flow due to a nonlinear curved stretching sheet with convective heat and mass conditions. Results in Physics, 2017, 7, 2601-2606.	2.0	60
39	Similarity solution to three dimensional boundary layer flow of second grade nanofluid past a stretching surface with thermal radiation and heat source/sink. AIP Advances, 2015, 5, .	0.6	58
40	Combined heat source and zero mass flux features on magnetized nanofluid flow by radial disk with the applications of Coriolis force and activation energy. International Communications in Heat and Mass Transfer, 2021, 126, 105416.	2.9	58
41	On Squeezed Flow of Jeffrey Nanofluid between Two Parallel Disks. Applied Sciences (Switzerland), 2016, 6, 346.	1.3	56
42	Impact of magnetic field in three-dimensional flow of an Oldroyd-B nanofluid. Journal of Molecular Liquids, 2015, 212, 272-282.	2.3	55
43	Viscous dissipation and Joule heating effects in MHD 3D flow with heat and mass fluxes. Results in Physics, 2018, 8, 365-371.	2.0	55
44	Numerical investigation on bioconvection flow of Oldroyd-B nanofluid with nonlinear thermal radiation and motile microorganisms over rotating disk. Journal of Thermal Analysis and Calorimetry, 2021, 145, 523-539.	2.0	55
45	Three-dimensional flow of Prandtl fluid with Cattaneo-Christov double diffusion. Results in Physics, 2018, 9, 290-296.	2.0	53
46	Three-dimensional flow of nanofluid with heat and mass flux boundary conditions. Chinese Journal of Physics, 2017, 55, 1495-1510.	2.0	52
47	Hydromagnetic unsteady squeezing flow of Jeffrey fluid between two parallel plates. Chinese Journal of Physics, 2017, 55, 1511-1522.	2.0	52
48	A dynamical study of SARS-COV-2: A study of third wave. Results in Physics, 2021, 29, 104705.	2.0	52
49	Carbon nanotubes significance in Darcy-Forchheimer flow. Results in Physics, 2018, 8, 26-33.	2.0	51
50	Solidification of PCM with nano powders inside a heat exchanger. Journal of Molecular Liquids, 2020, 306, 112892.	2.3	51
51	Simultaneous effects of melting heat and internal heat generation in stagnation point flow of Jeffrey fluid towards a nonlinear stretching surface with variable thickness. International Journal of Thermal Sciences, 2018, 132, 344-354.	2.6	50
52	Soret and Dufour effects in three-dimensional flow over an exponentially stretching surface with porous medium, chemical reaction and heat source/sink. International Journal of Numerical Methods for Heat and Fluid Flow, 2015, 25, 762-781.	1.6	49
53	Darcy-Forchheimer Three-Dimensional Flow of Williamson Nanofluid over a Convectively Heated Nonlinear Stretching Surface. Communications in Theoretical Physics, 2017, 68, 387.	1.1	49
54	Numerical Study for Darcy-Forchheimer Flow of Nanofluid due to a Rotating Disk with Binary Chemical Reaction and Arrhenius Activation Energy. Mathematics, 2019, 7, 921.	1.1	49

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55	A revised model for stretched flow of third grade fluid subject to magneto nanoparticles and convective condition. <i>Journal of Molecular Liquids</i> , 2017, 230, 608-615.	2.3	48
56	MHD Williamson Nanofluid Flow over a Slender Elastic Sheet of Irregular Thickness in the Presence of Bioconvection. <i>Nanomaterials</i> , 2021, 11, 2297.	1.9	48
57	Impact of Hall current and homogenousâ€“heterogenous reactions on MHD flow of $CO_2$ /water ( $H_2O$ )-ethylene glycol ( $C_6H_6O_2$ ) hybrid nanofluid past a vertical stretching surface. <i>Waves in Random and Complex Media</i> , 0, ., 1-18.	1.6	48
58	An optimal study for three-dimensional flow of Maxwell nanofluid subject to rotating frame. <i>Journal of Molecular Liquids</i> , 2017, 229, 541-547.	2.3	47
59	A Numerical Simulation of Silverâ€“Water Nanofluid Flow with Impacts of Newtonian Heating and Homogeneousâ€“Heterogeneous Reactions Past a Nonlinear Stretched Cylinder. <i>Symmetry</i> , 2019, 11, 295.	1.1	47
60	Mathematical modeling for novel coronavirus ( $COVID-19$ ) and control. <i>Numerical Methods for Partial Differential Equations</i> , 2022, 38, 760-776.	2.0	47
61	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
62	Three-dimensional boundary layer flow of Maxwell nanofluid: mathematical model. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2015, 36, 747-762.	1.9	46
63	Hydromagnetic flow of Casson nanofluid over a porous stretching cylinder with Newtonian heat and mass conditions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 550, 123988.	1.2	46
64	Numerical Analysis of Thermal Radiative Maxwell Nanofluid Flow Over-Stretching Porous Rotating Disk. <i>Micromachines</i> , 2021, 12, 540.	1.4	46
65	Darcy-Forchheimer flow with Cattaneo-Christov heat flux and homogeneous-heterogeneous reactions. <i>PLoS ONE</i> , 2017, 12, e0174938.	1.1	45
66	Darcyâ€“Forchheimer flow over an exponentially stretching curved surface with Cattaneoâ€“Christov double diffusion. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 556, 123968.	1.2	45
67	Three-dimensional flow of Powellâ€“Eyring nanofluid with heat and mass flux boundary conditions. <i>Chinese Physics B</i> , 2016, 25, 074701.	0.7	44
68	On model for flow of Burgers nanofluid with Cattaneoâ€“Christov double diffusion. <i>Chinese Journal of Physics</i> , 2017, 55, 916-929.	2.0	44
69	An optimal analysis for Darcy-Forchheimer 3D flow of Carreau nanofluid with convectively heated surface. <i>Results in Physics</i> , 2018, 9, 598-608.	2.0	44
70	Model and Comparative Study for Flow of Viscoelastic Nanofluids with Cattaneo-Christov Double Diffusion. <i>PLoS ONE</i> , 2017, 12, e0168824.	1.1	44
71	Numerical study for Darcy-Forchheimer flow of nanofluid due to an exponentially stretching curved surface. <i>Results in Physics</i> , 2018, 8, 764-771.	2.0	43
72	Significance of homogeneousâ€“heterogeneous reactions in Darcyâ€“Forchheimer three-dimensional rotating flow of carbon nanotubes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 183-195.	2.0	42

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73	Time-dependent 3D flow of viscoelastic nanofluid over an unsteady stretching surface. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 551, 124004.	1.2	42
74	Numerical study for nanofluid flow due to a nonlinear curved stretching surface with convective heat and mass conditions. <i>Results in Physics</i> , 2017, 7, 3100-3106.	2.0	42
75	A Comparative Study for Flow of Viscoelastic Fluids with Cattaneo-Christov Heat Flux. <i>PLoS ONE</i> , 2016, 11, e0155185.	1.1	42
76	OPTIMIZATION OF DARCY-FORCHHEIMER SQUEEZING FLOW IN NONLINEAR STRATIFIED FLUID UNDER CONVECTIVE CONDITIONS WITH ARTIFICIAL NEURAL NETWORK. <i>Heat Transfer Research</i> , 2022, 53, 67-89.	0.9	42
77	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
78	A new modified Kies Fréchet distribution: Applications of mortality rate of Covid-19. <i>Results in Physics</i> , 2021, 28, 104638.	2.0	41
79	On magnetohydrodynamic flow of second grade nanofluid over a convectively heated nonlinear stretching surface. <i>Advanced Powder Technology</i> , 2016, 27, 1992-2004.	2.0	40
80	Radiative three-dimensional flow with Soret and Dufour effects. <i>International Journal of Mechanical Sciences</i> , 2017, 133, 829-837.	3.6	40
81	Numerical Study for Magnetohydrodynamic Flow of Nanofluid Due to a Rotating Disk with Binary Chemical Reaction and Arrhenius Activation Energy. <i>Symmetry</i> , 2019, 11, 1282.	1.1	40
82	Entropy optimization for Darcy–Forchheimer electro-magneto-hydrodynamic slip flow of ferronanofluid due to stretching/shrinking rotating disk. <i>Waves in Random and Complex Media</i> , 0, , 1-33.	1.6	40
83	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
84	The parametric study of hybrid nanofluid flow with heat transition characteristics over a fluctuating spinning disk. <i>PLoS ONE</i> , 2021, 16, e0254457.	1.1	40
85	Significance of inclined magnetic field in Darcy–Forchheimer flow with variable porosity and thermal conductivity. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 551, 124067.	1.2	39
86	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
87	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
88	Parametric estimation of gyrotactic microorganism hybrid nanofluid flow between the conical gap of spinning disk-cone apparatus. <i>Scientific Reports</i> , 2022, 12, 59.	1.6	39
89	Stagnation-point flow of second grade nanofluid towards a nonlinear stretching surface with variable thickness. <i>Results in Physics</i> , 2017, 7, 2821-2830.	2.0	38
90	Effects of binary chemical reaction and Arrhenius activation energy in Darcy–Forchheimer three-dimensional flow of nanofluid subject to rotating frame. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 136, 1769-1779.	2.0	38

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91	On bio-convection thermal radiation in Darcy–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
92	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
93	Design of intelligent computing networks for numerical treatment of thin film flow of Maxwell nanofluid over a stretched and rotating surface. <i>Surfaces and Interfaces</i> , 2021, 24, 101107.	1.5	37
94	A new Hepatitis B model in light of asymptomatic carriers and vaccination study through Atangana–Baleanu derivative. <i>Results in Physics</i> , 2021, 29, 104603.	2.0	37
95	Heat transfer characteristics of MHD flow of Williamson nanofluid over an exponential permeable stretching curved surface with variable thermal conductivity. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101544.	2.8	37
96	Double diffusive convection and cross diffusion effects on Casson fluid over a Lorentz force driven Riga plate in a porous medium with heat sink: An analytical approach. <i>International Communications in Heat and Mass Transfer</i> , 2022, 131, 105761.	2.9	37
97	Impact of magnetic field in three-dimensional flow of Sisko nanofluid with convective condition. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 413, 1-8.	1.0	36
98	Three dimensional rotating flow of Maxwell nanofluid. <i>Journal of Molecular Liquids</i> , 2017, 229, 495-500.	2.3	36
99	A revised model for Jeffrey nanofluid subject to convective condition and heat generation/absorption. <i>PLoS ONE</i> , 2017, 12, e0172518.	1.1	36
100	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
101	Melting Heat in Radiative Flow of Carbon Nanotubes with Homogeneous-Heterogeneous Reactions. <i>Communications in Theoretical Physics</i> , 2018, 69, 441.	1.1	35
102	Nanomaterial between two plates which are squeezed with impose magnetic force. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 1023-1029.	2.0	35
103	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
104	Numerical simulation of Marangoni Maxwell nanofluid flow with Arrhenius activation energy and entropy anatomization over a rotating disk. <i>Waves in Random and Complex Media</i> , 0, , 1-19.	1.6	35
105	Traveling wave solutions to the Boussinesq equation via Sardar sub-equation technique. <i>AIMS Mathematics</i> , 2022, 7, 11134-11149.	0.7	34
106	Darcy–Forchheimer squeezed flow of carbon nanotubes with thermal radiation. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 120, 79-86.	1.9	33
107	Temperature and Concentration Stratification Effects in Mixed Convection Flow of an Oldroyd-B Fluid with Thermal Radiation and Chemical Reaction. <i>PLoS ONE</i> , 2015, 10, e0127646.	1.1	32
108	Boundary layer flow due to a nonlinear stretching curved surface with convective boundary condition and homogeneous-heterogeneous reactions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 551, 123996.	1.2	32



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109	Application of water based drilling clay-nanoparticles in heat transfer of fractional Maxwell fluid over an infinite flat surface. Scientific Reports, 2021, 11, 18833.	1.6	32
110	Impact of non-similar modeling for forced convection analysis of nano-fluid flow over stretching sheet with chemical reaction and heat generation. AEJ - Alexandria Engineering Journal, 2022, 61, 4253-4261.	3.4	32
111	On three-dimensional flow of couple stress fluid with Cattaneo-Christov heat flux. Chinese Journal of Physics, 2017, 55, 930-938.	2.0	31
112	Numerical simulation for Darcy-Forchheimer three-dimensional rotating flow of nanofluid with prescribed heat and mass flux conditions. Journal of Thermal Analysis and Calorimetry, 2019, 136, 2087-2095.	2.0	30
113	Numerical computation for entropy generation in Darcy-Forchheimer transport of hybrid nanofluids with Cattaneo-Christov double-diffusion. International Journal of Numerical Methods for Heat and Fluid Flow, 2022, 32, 1861-1882.	1.6	30
114	Flow of variable thermal conductivity Oldroyd-B fluid with generalized Fourier's and Fick's laws. Journal of Molecular Liquids, 2017, 234, 9-17.	2.3	29
115	Darcy-Forchheimer flow due to a curved stretching surface with Cattaneo-Christov double diffusion: A numerical study. Results in Physics, 2017, 7, 2663-2670.	2.0	28
116	Active and passive controls of Jeffrey nanofluid flow over a nonlinear stretching surface. Results in Physics, 2017, 7, 4071-4078.	2.0	28
117	On the magnetized 3D flow of hybrid nanofluids utilizing nonlinear radiative heat transfer. Physica Scripta, 2021, 96, 095202.	1.2	28
118	Importance of shape factor in Sisko nanofluid flow considering gold nanoparticles. AEJ - Alexandria Engineering Journal, 2022, 61, 3665-3672.	3.4	28
119	Thermal transport in magnetized flow of hybrid nanofluids over a vertical stretching cylinder. Case Studies in Thermal Engineering, 2021, 27, 101219.	2.8	28
120	Analysis of entropy generation in a power-law nanofluid flow over a stretchable rotatory porous disk. Case Studies in Thermal Engineering, 2021, 28, 101370.	2.8	28
121	An optimal analysis for Darcy-Forchheimer 3D flow of nanofluid with convective condition and homogeneous-heterogeneous reactions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 2846-2855.	0.9	27
122	Darcy-Forchheimer flow of carbon nanotubes due to a convectively heated rotating disk with homogeneous-heterogeneous reactions. Journal of Thermal Analysis and Calorimetry, 2019, 137, 1939-1949.	2.0	27
123	Numerical study for slip flow of Reiner-Rivlin nanofluid due to a rotating disk. International Communications in Heat and Mass Transfer, 2020, 116, 104643.	2.9	27
124	Pareto optimal design of a finned latent heat thermal energy storage unit using a novel hybrid technique. Journal of Energy Storage, 2021, 44, 103310.	3.9	27
125	Entropy Amplified solitary phase relative probe on engine oil based hybrid nanofluid. Chinese Journal of Physics, 2022, 77, 1654-1681.	2.0	27
126	Theoretical Analysis of Activation Energy Effect on Prandtl-Eyring Nanoliquid Flow Subject to Melting Condition. Journal of Non-Equilibrium Thermodynamics, 2022, 47, 1-12.	2.4	27



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127	Radiative flow of Powellâ€Eyring nanofluid with convective boundary conditions. Chinese Journal of Physics, 2017, 55, 1523-1538.	2.0	26
128	Darcy-Forchheimer flow of nanofluid in a rotating frame. International Journal of Numerical Methods for Heat and Fluid Flow, 2018, 28, 2895-2915.	1.6	26
129	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
130	Mathematical modeling and thermodynamics of Prandtlâ€Eyring fluid with radiation effect: a numerical approach. Scientific Reports, 2021, 11, 22201.	1.6	25
131	Modern aspects of homogeneous-heterogeneous reactions and variable thickness in nanofluids through carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 94, 70-77.	1.3	24
132	Numerical treatment for Darcy-Forchheimer flow of carbon nanotubes due to an exponentially stretching curved surface. Journal of Central South University, 2019, 26, 865-872.	1.2	24
133	Active and passive controls of 3D nanofluid flow by a convectively heated nonlinear stretching surface. Physica Scripta, 2019, 94, 085704.	1.2	24
134	Numerical simulation for three-dimensional flow of Carreau nanofluid over a nonlinear stretching surface with convective heat and mass conditions. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	24
135	Mechanical aspects of Maxwell nanofluid in dynamic system with irreversible analysis. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2021, 101, e202000212.	0.9	24
136	Computational analysis of the unsteady 3D chemically reacting MHD flow with the properties of temperature dependent transpose suspended Maxwell nanofluid. Case Studies in Thermal Engineering, 2021, 26, 101169.	2.8	24
137	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
138	Reliability modeling and analysis of mixture of exponential distributions using artificial neural network. Mathematical Methods in the Applied Sciences, 0, , .	1.2	24
139	Thermal and solutal stratification in mixed convection three-dimensional flow of an Oldroyd-B nanofluid. Results in Physics, 2017, 7, 3797-3805.	2.0	23
140	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
141	Computational Analysis of Nanoparticle Shapes on Hybrid Nanofluid Flow Due to Flat Horizontal Plate via Solar Collector. Nanomaterials, 2022, 12, 663.	1.9	23
142	A Mathematical Study for Three-Dimensional Boundary Layer Flow of Jeffrey Nanofluid. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2015, 70, 225-233.	0.7	22
143	An optimal study for Darcy-Forchheimer flow with generalized Fourierâ€™s and Fickâ€™s laws. Results in Physics, 2017, 7, 2878-2885.	2.0	22
144	Simultaneous effects of magnetic field and convective condition in three-dimensional flow of couple stress nanofluid with heat generation/absorption. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 1165-1176.	0.8	22

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145	An optimal study for 3D rotating flow of Oldroyd-B nanofluid with convectively heated surface. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	22
146	Significance of non-uniform heat generation/absorption in hydromagnetic flow of nanofluid due to stretching/shrinking disk. Physica A: Statistical Mechanics and Its Applications, 2020, 553, 123970.	1.2	22
147	$\frac{\partial \theta}{\partial t} + u \frac{\partial \theta}{\partial x} + v \frac{\partial \theta}{\partial y} + w \frac{\partial \theta}{\partial z} = \frac{k}{\rho c_p} \nabla^2 \theta + \frac{Q_0}{\rho c_p} \theta$	2.8	22
148	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
149	Application of Arrhenius kinetics on MHD radiative Von Kármán Casson nanofluid flow occurring in a Darcy-Forchheimer porous medium in the presence of an adjustable heat source. Physica Scripta, 2021, 96, 125228.	1.2	21
150	Heat transfer improvement in hybrid nanofluid flow over a moving sheet with magnetic dipole. Waves in Random and Complex Media, 0, , 1-15.	1.6	21
151	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
152	Gyrotactic micro-organism flow of Maxwell nanofluid between two parallel plates. Scientific Reports, 2021, 11, 15142.	1.6	20
153	$\frac{\partial \theta}{\partial t} + u \frac{\partial \theta}{\partial x} + v \frac{\partial \theta}{\partial y} + w \frac{\partial \theta}{\partial z} = \frac{k}{\rho c_p} \nabla^2 \theta + \frac{Q_0}{\rho c_p} \theta$	2.8	20
154	Impact of partial slip on double diffusion convection and inclined magnetic field on peristaltic wave of six-constant Jeffreys nanofluid along asymmetric channel. European Physical Journal Plus, 2022, 137, 1.	1.2	20
155	Computation of nonlinear thermal radiation in magnetized nanofluid flow with entropy generation. Applied Mathematics and Computation, 2022, 423, 126900.	1.4	20
156	Bioconvection flow of Casson nanofluid by rotating disk with motile microorganisms. Journal of Materials Research and Technology, 2021, 13, 2392-2407.	2.6	19
157	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
158	Computational study of three-dimensional flow and heat transfer of 25nm Cu-H <sub>2</sub> O nanoliquid with convective thermal condition and radiative heat flux using modified Buongiorno model. Case Studies in Thermal Engineering, 2021, 27, 101340.	2.8	19
159	Radiative Three-Dimensional Flow with Chemical Reaction. International Journal of Chemical Reactor Engineering, 2016, 14, 79-91.	0.6	18
160	Three-dimensional flow of Jeffrey fluid with Cattaneo-Christov heat flux: An application to non-Fourier heat flux theory. Chinese Journal of Physics, 2017, 55, 1067-1077.	2.0	18
161	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
162	The Role of Double-Diffusion Convection and Induced Magnetic Field on Peristaltic Pumping of a Johnson-Segalman Nanofluid in a Non-Uniform Channel. Nanomaterials, 2022, 12, 1051.	1.9	18

#	ARTICLE	IF	CITATIONS
163	Numerical Treatment for 3D Squeezed Flow in a Rotating Channel With Soret and Dufour Effects. <i>Frontiers in Physics</i> , 2021, 8, .	1.0	17
164	Simultaneous Influence of Hall and Wall Characteristics in Peristaltic Convective Carbon-Water Flow Subject to Soret and Dufour Effects. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 2033-2046.	1.7	17
165	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
166	Computational modeling for homogeneous-heterogeneous reactions in three-dimensional flow of carbon nanotubes. <i>Results in Physics</i> , 2017, 7, 2651-2657.	2.0	17
167	Solar district heating with solar desalination using energy storage material for domestic hot water and drinking water – Environmental and economic analysis. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 49, 101713.	1.7	17
168	On soliton solutions of fractional-order nonlinear model appears in physical sciences. <i>AIMS Mathematics</i> , 2022, 7, 7421-7440.	0.7	17
169	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
170	Numerical treatment for Darcy-Forchheimer flow of nanofluid due to a rotating disk with convective heat and mass conditions. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2018, 28, 2531-2550.	1.6	16
171	Magnetized peristaltic particle-fluid propulsion with Hall and ion slip effects through a permeable channel. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 550, 123999.	1.2	16
172	On Cattaneo-Christov heat flux in carbon-water nanofluid flow due to stretchable rotating disk through porous media. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 3463-3474.	3.4	16
173	Modeling and analysis for hydromagnetic three-dimensional flow of second grade nanofluid. <i>Journal of Molecular Liquids</i> , 2016, 221, 93-101.	2.3	15
174	A useful model for squeezing flow of nanofluid. <i>Journal of Molecular Liquids</i> , 2017, 237, 447-454.	2.3	15
175	Three-dimensional flow with Cattaneo-Christov double diffusion and homogeneous-heterogeneous reactions. <i>Results in Physics</i> , 2017, 7, 2812-2820.	2.0	15
176	Influence of homogeneous-heterogeneous reactions in the three-dimensional rotating flow of a nanofluid subject to Darcy-Forchheimer porous medium: an optimal analysis. <i>Physica Scripta</i> , 2019, 94, 115708.	1.2	15
177	Non-Similar Solution for Magnetized Flow of Maxwell Nanofluid over an Exponentially Stretching Surface. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-10.	0.6	15
178	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
179	Advancement of Non-Newtonian Fluid with Hybrid Nanoparticles in a Convective Channel and Prabhakar's Fractional Derivative-Analytical Solution. <i>Fractal and Fractional</i> , 2021, 5, 99.	1.6	15
180	Stability and statistical analysis on melting heat transfer in a hybrid nanofluid with thermal radiation effect. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2021, 235, 2129-2140.	1.4	15

#	ARTICLE	IF	CITATIONS
181	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
182	Natural convection flow of radiative maxwell fluid with Newtonian heating and slip effects: Fractional derivatives simulations. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101501.	2.8	15
183	Numerical Investigations of Radiative Flow of Viscous Fluid Through Porous Medium. <i>Journal of Magnetism</i> , 2021, 26, 277-284.	0.2	15
184	Transverse magnetic effects of hybrid nanofluid flow over a vertical rotating cone with Newtonian/non-Newtonian base fluids. <i>Waves in Random and Complex Media</i> , 0, , 1-18.	1.6	15
185	Thermal and velocity slip effects in mixed convection flow of magnetized ceramic nanofluids over a thin needle with variable physical properties. <i>Waves in Random and Complex Media</i> , 0, , 1-19.	1.6	15
186	Analysis of energy transport considering Arrhenius activation energy and chemical reaction in radiative Maxwell nanofluid flow. <i>Chemical Physics Letters</i> , 2022, 793, 139323.	1.2	15
187	Exact solutions for MHD axisymmetric hybrid nanofluid flow and heat transfer over a permeable non-linear radially shrinking/stretching surface with mutual impacts of thermal radiation. <i>European Physical Journal: Special Topics</i> , 2022, 231, 1195-1204.	1.2	15
188	Cattaneo-Christov Theory to model heat flux effect on nanoliquid slip flow over a spinning disk with nanoparticle aggregation and Hall current. <i>Waves in Random and Complex Media</i> , 0, , 1-23.	1.6	15
189	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
190	Effects of Hall Current on Transient Flow of Dusty Fluid with Nonlinear Radiation Past a Convectively Heated Stretching Plate. <i>Defect and Diffusion Forum</i> , 2018, 387, 352-363.	0.4	14
191	Numerical treatment for Darcy-Forchheimer flow of nanofluid due to a rotating disk with slip effects. <i>Canadian Journal of Physics</i> , 2019, 97, 856-863.	0.4	14
192	Magnetized Jeffrey nanofluid with energy loss in between an annular part of two micro non-concentric pipes. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2022, 44, 8314-8333.	1.2	14
193	Darcy-Forchheimer flow by rotating disk with partial slip. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2020, 41, 741-752.	1.9	14
194	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
195	Von Karman rotating nanofluid flow with modified Fourier law and variable characteristics in liquid and gas scenarios. <i>Scientific Reports</i> , 2021, 11, 16442.	1.6	14
196	Implications of the third-grade nanomaterials lubrication problem in terms of radiative heat flux: A Keller box analysis. <i>Chemical Physics Letters</i> , 2021, 783, 139041.	1.2	14
197	Passive control of magneto-nanomaterials transient flow subject to non-linear thermal radiation. <i>Thermal Science</i> , 2022, 26, 1405-1419.	0.5	14
198	Significance of Thermophoretic and Brownian Motion on MHD Nanofluids Flow towards a Circular Cylinder under the Inspiration of Multiple Slips: An Industrial Application. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-14.	0.6	14

#	ARTICLE	IF	CITATIONS
199	A Prabhakar Fractional Approach for the Convection Flow of Casson Fluid across an Oscillating Surface Based on the Generalized Fourier Law. <i>Symmetry</i> , 2021, 13, 2039.	1.1	14
200	Bioconvection Casson nanoliquid film sprayed on a stretching cylinder in the portfolio of homogeneous&haterogeneous chemical reactions. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2022, 102, .	0.9	14
201	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
202	Heat Transfer in a Fractional Nanofluid Flow through a Permeable Medium. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-18.	0.6	14
203	Thermal transport analysis of six circular microchannel heat sink using nanofluid. <i>Scientific Reports</i> , 2022, 12, 8035.	1.6	14
204	Comparative study of hybrid and nanofluid flows amidst two rotating disks with thermal stratification: Statistical and numerical approaches. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101596.	2.8	13
205	Nonsimilar Modeling and Numerical Simulations of Electromagnetic Radiative Flow of Nanofluid with Entropy Generation. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-20.	0.6	13
206	Numerical investigation of double diffusion heat flux model in Williamson nanofluid over an exponentially stretching surface with variable thermal conductivity. <i>Case Studies in Thermal Engineering</i> , 2022, 36, 102231.	2.8	13
207	An optimal solution for magnetohydrodynamic nanofluid flow over a stretching surface with constant heat flux and zero nanoparticles flux. <i>Neural Computing and Applications</i> , 2018, 29, 1555-1562.	3.2	12
208	On Model for Three-Dimensional Flow of Nanofluid With Heat and Mass Flux Boundary Conditions. <i>Journal of Thermal Science and Engineering Applications</i> , 2018, 10, .	0.8	12
209	Numerical simulation for Darcy-Forchheimer 3D rotating flow subject to binary chemical reaction and Arrhenius activation energy. <i>Journal of Central South University</i> , 2019, 26, 1250-1259.	1.2	12
210	Chemically reactive transport of magnetized hybrid nanofluids through Darcian porous medium. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101431.	2.8	12
211	Time fractional model of electro-osmotic Brinkman-type nanofluid with heat generation and chemical reaction effects: application in cleansing of contaminated water. <i>Scientific Reports</i> , 2021, 11, 24402.	1.6	12
212	Three-Dimensional Flow of Jeffrey Nanofluid with a New Mass Flux Condition. <i>Journal of Aerospace Engineering</i> , 2016, 29, 04015054.	0.8	11
213	Fractional study of Huanglongbing model with singular and non- singular kernel. <i>Chaos, Solitons and Fractals</i> , 2021, 148, 111037.	2.5	11
214	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
215	Hybridized consequence of thermal and concentration convection on peristaltic transport of magneto Powell&Eyring nanofluids in inclined asymmetric channel. <i>Mathematical Methods in the Applied Sciences</i> , 2023, 46, 11462-11478.	1.2	11
216	Physical characteristics of Dufour and Soret effects on MHD mixed convection flow of Williamson fluid past a nonlinear stretching porous curved surface. <i>Waves in Random and Complex Media</i> , 0, , 1-18.	1.6	11

#	ARTICLE	IF	CITATIONS
217	Heat transfer enhancement in a power-law nanofluid flow between two rotating stretchable disks. <i>Pramana - Journal of Physics</i> , 2022, 96, 1.	0.9	11
218	Estimation method of mixture distribution and modeling of COVID-19 pandemic. <i>AIMS Mathematics</i> , 2022, 7, 9926-9956.	0.7	11
219	Synthesis and characterization of manganese ferrite from low grade manganese ore through solid state reaction route. <i>Scientific Reports</i> , 2021, 11, 16190.	1.6	10
220	Radiative heat transfer of nanomaterial on a convectively heated circular tube with activation energy and nanoparticle aggregation kinematic effects. <i>International Communications in Heat and Mass Transfer</i> , 2021, 127, 105568.	2.9	10
221	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
222	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
223	Slip impact on double-diffusion convection of magneto-fourth-grade nanofluids with peristaltic propulsion through inclined asymmetric channel. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 8933-8946.	2.0	10
224	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.	1.5	10
225	Study of buoyancy effects in unsteady stagnation point flow of Maxwell nanofluid over a vertical stretching sheet in the presence of Joule heating. <i>Waves in Random and Complex Media</i> , 0, , 1-15.	1.6	10
226	Impact of electro-magneto-hydrodynamics in radiative flow of nanofluids between two rotating plates. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 10307-10317.	3.4	10
227	Impact of Cattaneo-Christov heat flux in three-dimensional flow of second grade fluid over a stretching surface. <i>Chinese Journal of Physics</i> , 2017, 55, 1242-1251.	2.0	9
228	Hydromagnetic squeezed flow of second-grade nanomaterials between two parallel disks. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 2067-2077.	2.0	9
229	Darcy-Forchheimer three-dimensional flow of carbon nanotubes with nonlinear thermal radiation. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 2711-2720.	2.0	9
230	Numerical simulation for entropy optimized nonlinear radiative flow of GO-Al <sub>2</sub> O <sub>3</sub> magneto nanomaterials with auto catalysis chemical reaction. <i>Numerical Methods for Partial Differential Equations</i> , 2020, , .	2.0	9
231	Simulation of convective MHD flow with inclusion of hybrid powders. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 1013-1022.	2.0	9
232	A fractal-fractional order Atangana-Baleanu model for Hepatitis B virus with asymptomatic class. <i>Physica Scripta</i> , 2021, 96, 074001.	1.2	9
233	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
234	Modeling and analysis of the dynamics of HIV/AIDS with non-singular fractional and fractal-fractional operators. <i>Physica Scripta</i> , 2021, 96, 114008.	1.2	9



#	ARTICLE	IF	CITATIONS
235	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
236	Generalized Thermal Flux Flow for Jeffrey Fluid with Fourier Law over an Infinite Plate. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-9.	0.6	9
237	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
238	Thermal performance comparative analysis of nanofluid flows at an oblique stagnation point considering Xue model: a solar application. <i>Journal of Computational Design and Engineering</i> , 2022, 9, 201-215.	1.5	9
239	Significance of aggregation of nanoparticles, activation energy, and Hall current to enhance the heat transfer phenomena in a nanofluid: a sensitivity analysis. <i>Waves in Random and Complex Media</i> , 0, , 1-23.	1.6	9
240	On Darcy-Forchheimer squeezed flow of carbon nanotubes between two parallel disks. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2018, 28, 2784-2800.	1.6	8
241	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
242	Significance of non-similar modeling in the entropy analysis of chemically reactive magnetized flow of nanofluid subjected to thermal radiations and melting heat condition. <i>AIP Advances</i> , 2021, 11, .	0.6	8
243	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
244	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
245	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
246	Numerical examination for nanomaterial forced convection within a permeable cavity involving magnetic forces. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 550, 123962.	1.2	7
247	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
248	A mathematical model for the coinfection of Buruli ulcer and Cholera. <i>Results in Physics</i> , 2021, 29, 104746.	2.0	7
249	Physical Aspects of Homogeneous-Heterogeneous Reactions on MHD Williamson Fluid Flow across a Nonlinear Stretching Curved Surface Together with Convective Boundary Conditions. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-13.	0.6	7
250	Mathematical Analysis of the TB Model with Treatment via Caputo-Type Fractional Derivative. <i>Discrete Dynamics in Nature and Society</i> , 2021, 2021, 1-15.	0.5	7
251	Numerical analysis of entropy generation in the stagnation point flow of Oldroyd-B nanofluid. <i>Waves in Random and Complex Media</i> , 0, , 1-17.	1.6	7
252	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



#	ARTICLE	IF	CITATIONS
253	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
254	Triple diffusion with heat transfer under different effects on magnetized hyperbolic tangent nanofluid flow. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 0, , 095440892210791.	1.4	7
255	A memory effect model to predict COVID-19: analysis and simulation. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2023, 26, 612-628.	0.9	7
256	MHD three-dimensional flow of viscoelastic fluid over an exponentially stretching surface with variable thermal conductivity. <i>Computational Mathematics and Mathematical Physics</i> , 2016, 56, 1665-1678.	0.2	6
257	On model for Darcy-Forchheimer 3D nanofluid flow subject to heat flux boundary condition. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 2411-2418.	2.0	6
258	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
259	Mathematical modeling and stability analysis of Buruli ulcer in Possum mammals. <i>Results in Physics</i> , 2021, 27, 104471.	2.0	6
260	Heat transfer enhancement of hybrid nanofluids over porous cone. <i>International Journal of Chemical Reactor Engineering</i> , 2022, 20, 465-473.	0.6	6
261	Hydro-magnetic impact on the nanofluid flow over stretching/shrinking sheet using Keller-box method. <i>International Communications in Heat and Mass Transfer</i> , 2022, 135, 106114.	2.9	6
262	Nonlinear Computational Treatment for Couple Stress Fluid Flow with Cattaneo-Christov Double Diffusion and Homogeneous-Heterogeneous Reactions. <i>International Journal of Chemical Reactor Engineering</i> , 2019, 17, .	0.6	5
263	Darcy-Forchheimer flow of carbon nanotubes subject to heat flux boundary condition. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 554, 124002.	1.2	5
264	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
265	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
266	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
267	Heat and mass transfer features of transient second-grade fluid flow through an exponentially stretching surface. <i>Pramana - Journal of Physics</i> , 2022, 96, 1.	0.6	5
268	On Numerical Thermal Transport Analysis of Three-Dimensional Bioconvective Nanofluid Flow. <i>Journal of Mathematics</i> , 2021, 2021, 1-11.	0.5	4
269	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
270	Numerical Simulations of Bio-Convection in the Stream-Wise and Cross-Flow Directions Comprising Nanofluid Conveying Motile Microorganism: Analysis of Multiple Solutions. <i>International Journal of Computational Methods</i> , 2022, 19, .	0.8	4

#	ARTICLE	IF	CITATIONS
271	Numerical Investigation for Radiative Transport in Magnetized Flow of Nanofluids due to Moving Surface. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-10.	0.6	4
272	On homogeneous-heterogeneous reactions in oblique stagnation-point flow of Jeffrey fluid involving Cattaneo-Christov heat flux. <i>Thermal Science</i> , 2021, 25, 165-172.	0.5	4
273	Approximation of unsteady squeezing flow through porous space with slip effect: DJM approach. <i>Waves in Random and Complex Media</i> , 0, , 1-15.	1.6	4
274	Heat Transfer of Nanomaterial over an Infinite Disk with Marangoni Convection: A Modified Fourier's Heat Flux Model for Solar Thermal System Applications. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11609.	1.3	4
275	Significance of heat generation/absorption in magnetohydrodynamic flow by an unsteady stretching curved surface. <i>Multidiscipline Modeling in Materials and Structures</i> , 2020, 17, 35-47.	0.6	3
276	Mathematical modeling and optimal control strategies of Buruli ulcer in possum mammals. <i>AIMS Mathematics</i> , 2021, 6, 9859-9881.	0.7	3
277	A bioconvection model for viscoelastic nanofluid confined by tapered asymmetric channel: implicit finite difference simulations. <i>Journal of Biological Physics</i> , 2021, 47, 499-520.	0.7	3
278	Electro-Osmotic Flow of Prandtl Nanofluids with Thermal and Solutal Slip Flow Constraints: Keller Box Simulations. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 8439-8456.	1.7	3
279	Partial Slip Impact on Double Diffusive Convection Flow of Magneto-Carreau Nanofluid through Inclined Peristaltic Asymmetric Channel. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-14.	0.6	3
280	Inspection of thermal jump conditions on nanofluids with nanoparticles and multiple slip effects. <i>Scientific Reports</i> , 2022, 12, 5586.	1.6	3
281	Theory of activation energy and thermophoretic dispersion of nanoparticles in nonlinear radiative Maxwell nanofluid. <i>Waves in Random and Complex Media</i> , 0, , 1-12.	1.6	3
282	Application of Levenberg-Marquardt technique for electrical conducting fluid subjected to variable viscosity. <i>Indian Journal of Physics</i> , 2022, 96, 3901-3919.	0.9	3
283	Magnetic Field Effect on Heat and Momentum of Fractional Maxwell Nanofluid within a Channel by Power Law Kernel Using Finite Difference Method. <i>Complexity</i> , 2022, 2022, 1-16.	0.9	3
284	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
285	The investigation of energy management and atomic interaction between coronavirus structure in the vicinity of aqueous environment of H <sub>2</sub> O molecules via molecular dynamics approach. <i>Journal of Molecular Liquids</i> , 2021, 341, 117430.	2.3	2
286	Rotating flow of carbon nanotubes subject to prescribed heat flux condition. <i>Physica Scripta</i> , 2021, 96, 025217.	1.2	2
287	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
288	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

#	ARTICLE	IF	CITATIONS
289	Bioconvection Unsteady Magnetized Flow in a Horizontal Channel with Dufour and Soret Effects. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-15.	0.6	2
290	Slip boundaries effects on double-diffusive convection of magneto-pseudoplastic nanofluid on peristaltic flux in an inclined asymmetric channel. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 0, , 095440892110630.	1.4	2
291	Rheology of magneto-micropolar nanoliquid toward radiative exponential surface subjected to Brownian motion, thermal radiation, thermophoresis and viscous dissipation. <i>Waves in Random and Complex Media</i> , 0, , 1-15.	1.6	2
292	Analysis of squeezing flow of Powell–Eyring fluid with generalized transport phenomena and double stratification past inclined parallel sheets. <i>Waves in Random and Complex Media</i> , 2022, 32, 3095-3114.	1.6	2
293	Numerical solution of a fractal-fractional order chaotic circuit system. <i>Revista Mexicana De Física</i> , 2021, 67, .	0.2	1
294	Heat transport in the flow of magnetized nanofluid over a stretchable surface with heat sources: A mathematical model with realistic conditions. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 0, , e202100343.	0.9	1
295	On model for magnetized micropolar-nanofluid flow by a convectively heated rotating disk. <i>Physica Scripta</i> , 2021, 96, 015205.	1.2	1
296	Flow and Melting Thermal Transfer Enhancement Analysis of Alumina, Titanium Oxide-Based Maxwell Nanofluid Flow Inside Double Rotating Disks with Finite-Element Simulation. <i>CMES - Computer Modeling in Engineering and Sciences</i> , 2022, 130, 1771-1788.	0.8	1
297	Fractional Study for Transient Free Convection Flow in a Channel with Mittag-Leffler Memory. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-20.	0.6	1
298	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
299	Thermally radiative couple-stress magnetized liquid featuring Newtonian heating. <i>Waves in Random and Complex Media</i> , 0, , 1-12.	1.6	1
300	Numerical simulation for stagnation-point flow of nanofluid over a spiraling disk through porous media. <i>Waves in Random and Complex Media</i> , 0, , 1-20.	1.6	1
301	Analysis of non-singular fractional bioconvection and thermal memory with generalized Mittag-Leffler kernel. <i>Chaos, Solitons and Fractals</i> , 2022, 159, 112090.	2.5	1
302	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
303	Numerical and analytical solutions for unsteady nanofluid flow capturing magneto-hydrodynamic and radiation effects. <i>Waves in Random and Complex Media</i> , 0, , 1-21.	1.6	0
304	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
305	Radiative Flow of Copper and Aluminum Nanoparticles with Heat Source Phenomenon: Dual Numerical Simulations and Stability Analysis. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-11.	0.6	0