Taseer Muhammad

List of Publications by Year
in descending order

305 papers	9,485 citations	47 h-index	71 g-index
		47006	85541
308 all docs	308 docs citations	308 times ranked	1792 citing authors

#	Article	IF	Citations
1	Hybridized consequence of thermal and concentration convection on peristaltic transport of magneto Powellâ€“Eyring nanofluids in inclined asymmetric channel. Mathematical Methods in the Applied Sciences, 2023, 46, 11462-11478.	2.3	11
2	A memory effect model to predict COVID-19: analysis and simulation. Computer Methods in Biomechanics and Biomedical Engineering, 2023, 26, 612-628.	1.6	7
3	Mathematical modeling for novel coronavirus (<scp>COVID</scp>â€19) and control. Numerical Methods for Partial Differential Equations, 2022, 38, 760-776.	3.6	47
4	Magnetized Jeffrey nanofluid with energy loss in between an annular part of two micro non-concentric pipes. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2022, 44, 8314-8333.	2.3	14
5	On doubly stratified bioconvective transport of Jeffrey nanofluid with gyrotactic motile microorganisms. AEJ - Alexandria Engineering Journal, 2022, 61, 1571-1583.	6.4	47
6	Thermo-bioconvectional transport of magneto-Casson nanofluid over a wedge containing motile microorganisms and variable thermal conductivity. AEJ - Alexandria Engineering Journal, 2022, 61, 2444-2454.	6.4	14
7	Numerical investigation for 3D bioconvection flow of Carreau nanofluid with heat source/sink and motile microorganisms. AEJ - Alexandria Engineering Journal, 2022, 61, 2366-2375.	6.4	19
8	Numerical study for bio-convection flow of tangent hyperbolic nanofluid over a Riga plate with activation energy. AEJ - Alexandria Engineering Journal, 2022, 61, 1803-1814.	6.4	38
9	Convective heat transfer in magnetized flow of nanofluids between two rotating parallel disks. International Journal of Chemical Reactor Engineering, 2022, 20, 411-422.	1.1	5
10	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.	2.8	30
11	Importance of shape factor in Sisko nanofluid flow considering gold nanoparticles. AEJ - Alexandria Engineering Journal, 2022, 61, 3665-3672.	6.4	28
12	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.	6.4	32
13	On Cattaneo-Christov heat flux in carbon-water nanofluid flow due to stretchable rotating disk through porous media. AEJ - Alexandria Engineering Journal, 2022, 61, 3463-3474.	6.4	16
14	Thermal analysis of magnetized flow of AA7072-AA7075/blood-based hybrid nanofluids in a rotating channel. AEJ - Alexandria Engineering Journal, 2022, 61, 3059-3068.	6.4	15
15	Numerical Simulations of Bio-Convection in the Stream-Wise and Cross-Flow Directions Comprising Nanofluid Conveying Motile Microorganism: Analysis of Multiple Solutions. International Journal of Computational Methods, 2022, 19, .	1.3	4
16	Significance of melting process in magnetized transport of hybrid nanofluids: A three-dimensional model. AEJ - Alexandria Engineering Journal, 2022, 61, 3949-3957.	6.4	5
17	Passive control of magneto-nanomaterials transient flow subject to non-linear thermal radiation. Thermal Science, 2022, 26, 1405-1419.	1.1	14
18	Heat transfer enhancement of hybrid nanofluids over porous cone. International Journal of Chemical Reactor Engineering, 2022, 20, 465-473.	1.1	6

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19	Electro-Osmotic Flow of Prandtl Nanofluids with Thermal and Solutal Slip Flow Constraints: Keller Box Simulations. Arabian Journal for Science and Engineering, 2022, 47, 8439-8456.	3.0	3
20	Solar district heating with solar desalination using energy storage material for domestic hot water and drinking water â€“ Environmental and economic analysis. Sustainable Energy Technologies and Assessments, 2022, 49, 101713.	2.7	17
21	Entropy Amplified solitary phase relative probe on engine oil based hybrid nanofluid. Chinese Journal of Physics, 2022, 77, 1654-1681.	3.9	27
22	Theoretical Analysis of Activation Energy Effect on Prandtlâ€“Eyring Nanoliquid Flow Subject to Melting Condition. Journal of Non-Equilibrium Thermodynamics, 2022, 47, 1-12.	4.2	27
23	Thermal performance comparative analysis of nanofluid flows at an oblique stagnation point considering Xue model: a solar application. Journal of Computational Design and Engineering, 2022, 9, 201-215.	3.1	9
24	OPTIMIZATION OF DARCY-FORCHHEIMER SQUEEZING FLOW IN NONLINEAR STRATIFIED FLUID UNDER CONVECTIVE CONDITIONS WITH ARTIFICIAL NEURAL NETWORK. Heat Transfer Research, 2022, 53, 67-89.	1.6	42
25	Parametric estimation of gyrotactic microorganism hybrid nanofluid flow between the conical gap of spinning disk-cone apparatus. Scientific Reports, 2022, 12, 59.	3.3	39
26	Flow and Melting Thermal Transfer Enhancement Analysis of Alumina, Titanium Oxide-Based Maxwell Nanofluid Flow Inside Double Rotating Disks with Finite-Element Simulation. CMES - Computer Modeling in Engineering and Sciences, 2022, 130, 1771-1788.	1.1	1
27	Slip impact on double-diffusion convection of magneto-fourth-grade nanofluids with peristaltic propulsion through inclined asymmetric channel. Journal of Thermal Analysis and Calorimetry, 2022, 147, 8933-8946.	3.6	10
28	Bioconvection Casson nanoliquid film sprayed on a stretching cylinder in the portfolio of homogeneousâ€heterogeneous chemical reactions. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2022, 102, .	1.6	14
29	Bioconvection Unsteady Magnetized Flow in a Horizontal Channel with Dufour and Soret Effects. Mathematical Problems in Engineering, 2022, 2022, 1-15.	1.1	2
30	Fractional Study for Transient Free Convection Flow in a Channel with Mittag-Leffler Memory. Mathematical Problems in Engineering, 2022, 2022, 1-20.	1.1	1
31	Analysis of energy transport considering Arrhenius activation energy and chemical reaction in radiative Maxwell nanofluid flow. Chemical Physics Letters, 2022, 793, 139323.	2.6	15
32	Heat transfer enhancement in a power-law nanofluid flow between two rotating stretchable disks. Pramana - Journal of Physics, 2022, 96, 1.	1.8	11
33	Nonsimilar Modeling and Numerical Simulations of Electromagnetic Radiative Flow of Nanofluid with Entropy Generation. Mathematical Problems in Engineering, 2022, 2022, 1-20.	1.1	13
34	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. International Communications in Heat and Mass Transfer, 2022, 131, 105761.	5.6	37
35	Numerical investigation for melting heat transport of nanofluids due to stretching surface with Cattaneo-Christov thermal model. AEJ - Alexandria Engineering Journal, 2022, 61, 6635-6644.	6.4	14
36	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. Journal of Computational Design and Engineering, 2022, 9, 564-582.	3.1	10

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37	On soliton solutions of fractional-order nonlinear model appears in physical sciences. AIMS Mathematics, 2022, 7, 7421-7440.	1.6	17
38	Traveling wave solutions to the Boussinesq equation via Sardar sub-equation technique. AIMS Mathematics, 2022, 7, 11134-11149.	1.6	34
39	Estimation method of mixture distribution and modeling of COVID-19 pandemic. AIMS Mathematics, 2022, 7, 9926-9956.	1.6	11
40	Computational Analysis of Nanoparticle Shapes on Hybrid Nanofluid Flow Due to Flat Horizontal Plate via Solar Collector. Nanomaterials, 2022, 12, 663.	4.1	23
41	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. European Physical Journal: Special Topics, 2022, 231, 1195-1204.	2.6	15
42	Heat and mass transfer features of transient second-grade fluid flow through an exponentially stretching surface. Pramana - Journal of Physics, 2022, 96, 1.	1.5	5
43	The Role of Double-Diffusion Convection and Induced Magnetic Field on Peristaltic Pumping of a Johnsonâ€“Segalman Nanofluid in a Non-Uniform Channel. Nanomaterials, 2022, 12, 1051.	4.1	18
44	Investigation of thermal stratification and nonlinear thermal radiation in Darcy-Forchheimer transport of hybrid nanofluid by rotating disk with Marangoni convection. International Journal of Ambient Energy, 2022, 43, 6724-6731.	2.5	7
45	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.	2.6	20
46	Heat Transfer in a Fractional Nanofluid Flow through a Permeable Medium. Mathematical Problems in Engineering, 2022, 2022, 1-18.	1.1	14
47	Physical attributes of bio-convection in nanofluid flow through a paraboloid of revolution on horizontal surface with motile microorganisms. International Communications in Heat and Mass Transfer, 2022, 133, 105947.	5.6	17
48	New insights into the dynamics of alumina-(60% ethylene glycolÂ+Â40% water) over an isothermal stretching sheet using a renovated Buongiorno's approach: A numerical GDQLLM analysis. International Communications in Heat and Mass Transfer, 2022, 133, 105937.	5.6	62
49	Inspection of thermal jump conditions on nanofluids with nanoparticles and multiple slip effects. Scientific Reports, 2022, 12, 5586.	3.3	3
50	Computation of nonlinear thermal radiation in magnetized nanofluid flow with entropy generation. Applied Mathematics and Computation, 2022, 423, 126900.	2.2	20
51	Impact of electro-magneto-hydrodynamics in radiative flow of nanofluids between two rotating plates. AEJ - Alexandria Engineering Journal, 2022, 61, 10307-10317.	6.4	10
52	Analysis of squeezing flow of Powellâ€“Eyring fluid with generalized transport phenomena and double stratification past inclined parallel sheets. Waves in Random and Complex Media, 2022, 32, 3095-3114.	2.7	2
53	Application of Levenbergâ€“Marquardt technique for electrical conducting fluid subjected to variable viscosity. Indian Journal of Physics, 2022, 96, 3901-3919.	1.8	3
54	Analysis of non-singular fractional bioconvection and thermal memory with generalized Mittag-Leffler kernel. Chaos, Solitons and Fractals, 2022, 159, 112090.	5.1	1

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55	Thermal transport analysis of six circular microchannel heat sink using nanofluid. Scientific Reports, 2022, 12, 8035.	3.3	14
56	Magnetic Field Effect on Heat and Momentum of Fractional Maxwell Nanofluid within a Channel by Power Law Kernel Using Finite Difference Method. Complexity, 2022, 2022, 1-16.	1.6	3
57	Hydro-magnetic impact on the nanofluid flow over stretching/shrinking sheet using Keller-box method. International Communications in Heat and Mass Transfer, 2022, 135, 106114.	5.6	6
58	Numerical investigation of double diffusion heat flux model in Williamson nanofluid over an exponentially stretching surface with variable thermal conductivity. Case Studies in Thermal Engineering, 2022, 36, 102231.	5.7	13
59	Comparative analysis of hybrid nanofluids with Cattaneo-Christov heat flux model: A thermal case study. Case Studies in Thermal Engineering, 2022, 36, 102212.	5.7	21
60	Investigation of 3D flow of magnetized hybrid nanofluid with heat source/sink over a stretching sheet. Scientific Reports, 2022, 12, .	3.3	15
61	Radiative Flow of Copper and Aluminum Nanoparticles with Heat Source Phenomenon: Dual Numerical Simulations and Stability Analysis. Mathematical Problems in Engineering, 2022, 2022, 1-11.	1.1	0
62	Numerical Treatment for 3D Squeezed Flow in a Rotating Channel With Soret and Dufour Effects. Frontiers in Physics, 2021, 8, .	2.1	17
63	Bioconvection flow of magnetized Carreau nanofluid under the influence of slip over a wedge with motile microorganisms. Journal of Thermal Analysis and Calorimetry, 2021, 143, 945-957.	3.6	130
64	Nanomaterial between two plates which are squeezed with impose magnetic force. Journal of Thermal Analysis and Calorimetry, 2021, 144, 1023-1029.	3.6	35
65	Significance of nonlinear thermal radiation in 3D Eyringâ€“Powell nanofluid flow with Arrhenius activation energy. Journal of Thermal Analysis and Calorimetry, 2021, 143, 929-944.	3.6	142
66	Simulation of convective MHD flow with inclusion of hybrid powders. Journal of Thermal Analysis and Calorimetry, 2021, 144, 1013-1022.	3.6	9
67	Thermal analysis of peristaltic flow of nanosized particles within a curved channel with second-order partial slip and porous medium. Journal of Thermal Analysis and Calorimetry, 2021, 143, 1997-2009.	3.6	73
68	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.	3.6	55
69	On model for Darcyâ€“Forchheimer 3D nanofluid flow subject to heat flux boundary condition. Journal of Thermal Analysis and Calorimetry, 2021, 143, 2411-2418.	3.6	6
70	Simultaneous Influence of Hall and Wall Characteristics in Peristaltic Convective Carbonâ€“Water Flow Subject to Soret and Dufour Effects. Arabian Journal for Science and Engineering, 2021, 46, 2033-2046.	3.0	17
71	On bio-convection thermal radiation in Darcy â€“ Forchheimer flow of nanofluid with gyrotactic motile microorganism under Wuâ€™s slip over stretching cylinder/plate. International Journal of Numerical Methods for Heat and Fluid Flow, 2021, 31, 1520-1546.	2.8	38
72	Mathematical modeling and optimal control strategies of Buruli ulcer in possum mammals. AIMS Mathematics, 2021, 6, 9859-9881.	1.6	3

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73	A fractal-fractional order Atangana-Baleanu model for Hepatitis B virus with asymptomatic class. Physica Scripta, 2021, 96, 074001.	2.5	9
74	Numerical simulation for bio-convection flow of magnetized non-Newtonian nanofluid due to stretching cylinder/plate with swimming motile microorganisms. European Physical Journal: Special Topics, 2021, 230, 1239-1256.	2.6	9
75	Numerical Analysis of Thermal Radiative Maxwell Nanofluid Flow Over-Stretching Porous Rotating Disk. Micromachines, 2021, 12, 540.	2.9	46
76	Non-Similar Solution for Magnetized Flow of Maxwell Nanofluid over an Exponentially Stretching Surface. Mathematical Problems in Engineering, 2021, 2021, 1-10.	1.1	15
77	Design of intelligent computing networks for numerical treatment of thin film flow of Maxwell nanofluid over a stretched and rotating surface. Surfaces and Interfaces, 2021, 24, 101107.	3.0	37
78	Thermo-bioconvection transport of nanofluid over an inclined stretching cylinder with Cattaneoâ€“Christov double-diffusion. Communications in Theoretical Physics, 2021, 73, 075006.	2.5	21
79	On the magnetized 3D flow of hybrid nanofluids utilizing nonlinear radiative heat transfer. Physica Scripta, 2021, 96, 095202.	2.5	28
80	Fractional study of Huanglongbing model with singular and non- singular kernel. Chaos, Solitons and Fractals, 2021, 148, 111037.	5.1	11
81	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.	5.6	58
82	On Numerical Thermal Transport Analysis of Three-Dimensional Bioconvective Nanofluid Flow. Journal of Mathematics, 2021, 2021, 1-11.	1.0	4
83	Modeling and analysis of the dynamics of HIV/AIDS with non-singular fractional and fractal-fractional operators. Physica Scripta, 2021, 96, 114008.	2.5	9
84	Bioconvection flow of Casson nanofluid by rotating disk with motile microorganisms. Journal of Materials Research and Technology, 2021, 13, 2392-2407.	5.8	19
85	Gyrotactic micro-organism flow of Maxwell nanofluid between two parallel plates. Scientific Reports, 2021, 11, 15142.	3.3	20
86	Mechanical aspects of Maxwell nanofluid in dynamic system with irreversible analysis. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2021, 101, e202000212.	1.6	24
87	Consequences of Fourierâ€™s and Fickâ€™s laws in bioconvective couple stress nanofluid flow configured by an inclined stretchable cylinder. International Journal of Modern Physics B, 2021, 35, 2150176.	2.0	9
88	Inspection of modified Fourierâ€™s and Fickâ€™s laws in magnetized transport of Oldroyd-B nanofluid with swimming motile microorganisms: a theoretical model. European Physical Journal Plus, 2021, 136, 1.	2.6	2
89	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.	5.7	24
90	Bioconvection transport of Carreau nanofluid with magnetic dipole and nonlinear thermal radiation. Case Studies in Thermal Engineering, 2021, 26, 101129.	5.7	40

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91	The parametric study of hybrid nanofluid flow with heat transition characteristics over a fluctuating spinning disk. PLoS ONE, 2021, 16, e0254457.	2.5	40
92	Significance of non-similar modeling in the entropy analysis of chemically reactive magnetized flow of nanofluid subjected to thermal radiations and melting heat condition. AIP Advances, 2021, 11, .	1.3	8
93	Advancement of Non-Newtonian Fluid with Hybrid Nanoparticles in a Convective Channel and Prabhakarâ€™s Fractional Derivativeâ€”Analytical Solution. Fractal and Fractional, 2021, 5, 99.	3.3	15
94	Bioconvection transport of magnetized Walter's B nanofluid across a cylindrical disk with nonlinear radiative heat transfer. Case Studies in Thermal Engineering, 2021, 26, 101097.	5.7	8
95	Synthesis and characterization of manganese ferrite from low grade manganese ore through solid state reaction route. Scientific Reports, 2021, 11, 16190.	3.3	10
96	Numerical study for bioconvection transport of micropolar nanofluid over a thin needle with thermal and exponential space-based heat source. Case Studies in Thermal Engineering, 2021, 26, 101158.	5.7	5
97	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
98	Thermal transport of hybrid nanofluids with entropy generation: A numerical simulation. International Journal of Modern Physics B, 2021, 35, 2150218.	2.0	8
99	Stability and statistical analysis on melting heat transfer in a hybrid nanofluid with thermal radiation effect. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2021, 235, 2129-2140.	2.5	15
100	Mathematical modeling and stability analysis of Buruli ulcer in Possum mammals. Results in Physics, 2021, 27, 104471.	4.1	6
101	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.	5.7	18
102	Thermal effect on bioconvection flow of Sutterby nanofluid between two rotating disks with motile microorganisms. Case Studies in Thermal Engineering, 2021, 26, 101136.	5.7	41
103	A new modified Kies FrÃ©chet distribution: Applications of mortality rate of Covid-19. Results in Physics, 2021, 28, 104638.	4.1	41
104	Recent progress in melting phenomenon for magnetized hybrid nanofluid flow over a stretching surface with temperature dependent viscosity: a comparative study. Journal of Materials Research and Technology, 2021, 15, 3965-3973.	5.8	7
105	Application of water based drilling clay-nanoparticles in heat transfer of fractional Maxwell fluid over an infinite flat surface. Scientific Reports, 2021, 11, 18833.	3.3	32
106	Application of Arrhenius kinetics on MHD radiative Von KÃ¡rmÃ¡n Casson nanofluid flow occurring in a Darcy-Forchheimer porous medium in the presence of an adjustable heat source. Physica Scripta, 2021, 96, 125228.	2.5	21
107	Generalized Thermal Flux Flow for Jeffrey Fluid with Fourier Law over an Infinite Plate. Mathematical Problems in Engineering, 2021, 2021, 1-9.	1.1	9
108	MHD Williamson Nanofluid Flow over a Slender Elastic Sheet of Irregular Thickness in the Presence of Bioconvection. Nanomaterials, 2021, 11, 2297.	4.1	48

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109	Numerical solution of a fractal-fractional order chaotic circuit system. Revista Mexicana De FÃsica, 2021, 67, .	0.4	1
110	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.	5.8	25
111	Flow and heat transfer of nanofluid over a permeable cylinder with nonlinear thermal radiation. Journal of Materials Research and Technology, 2021, 14, 2579-2585.	5.8	24
112	Radiative heat transfer of nanomaterial on a convectively heated circular tube with activation energy and nanoparticle aggregation kinematic effects. International Communications in Heat and Mass Transfer, 2021, 127, 105568.	5.6	10
113	Numerical simulation for melting heat transport in nanofluids due to quadratic stretching plate with nonlinear thermal radiation. Case Studies in Thermal Engineering, 2021, 27, 101300.	5.7	35
114	Fractional simulation for Darcy-Forchheimer hybrid nanoliquid flow with partial slip over a spinning disk. AEJ - Alexandria Engineering Journal, 2021, 60, 4787-4796.	6.4	86
115	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.	5.7	23
116	Thermal transport in magnetized flow of hybrid nanofluids over a vertical stretching cylinder. Case Studies in Thermal Engineering, 2021, 27, 101219.	5.7	28
117	Computational study of three-dimensional flow and heat transfer of 25Ânm Cuâ€“H2O nanoliquid with convective thermal condition and radiative heat flux using modified Buongiorno model. Case Studies in Thermal Engineering, 2021, 27, 101340.	5.7	19
118	A mathematical model for the coinfection of Buruli ulcer and Cholera. Results in Physics, 2021, 29, 104746.	4.1	7
119	A new Hepatitis B model in light of asymptomatic carriers and vaccination study through Atanganaâ€“Baleanu derivative. Results in Physics, 2021, 29, 104603.	4.1	37
120	A dynamical study of SARS-COV-2: A study of third wave. Results in Physics, 2021, 29, 104705.	4.1	52
121	Significance of surface-catalyzed reactions in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:mrow><mml:mi mathvariant="bold-italic">Si</mml:mi><mml:msub><mml:mi mathvariant="bold-italic">O</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.svg"><mml:mrow><mml:mspace width="0.25em"/><mml:msub><mml:mi mathvariant="bold-italic">H</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>	5.7	22
122	Implications of the third-grade nanomaterials lubrication problem in terms of radiative heat flux: A Keller box analysis. Chemical Physics Letters, 2021, 783, 139041.	2.6	14
123	The investigation of energy management and atomic interaction between coronavirus structure in the vicinity of aqueous environment of H2O molecules via molecular dynamics approach. Journal of Molecular Liquids, 2021, 341, 117430.	4.9	2
124	Impact of stratification phenomena on a nonlinear radiative flow of sutterby nanofluid. Journal of Materials Research and Technology, 2021, 15, 306-314.	5.8	65
125	Fractional order simulations for the thermal decomposition of graphene oxide<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:mrow><mml:mrow><mml:mo stretchy="true">(</mml:mo><mml:mi) Tj ETQq1 1 0.784314 rgBT /Overlock 10	5.7	20
126	disulphide<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.svg"><mml:mrow> Natural convection flow of radiative maxwell fluid with Newtonian heating and slip effects: Fractional derivatives simulations. Case Studies in Thermal Engineering, 2021, 28, 101501.	5.7	15

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127	Dynamic consequences of nonlinear radiative heat flux and heat generation/absorption effects in cross-diffusion flow of generalized micropolar nanofluid. Case Studies in Thermal Engineering, 2021, 28, 101451.	5.7	8
128	Analysis of entropy generation in a power-law nanofluid flow over a stretchable rotatory porous disk. Case Studies in Thermal Engineering, 2021, 28, 101370.	5.7	28
129	Comparative study for magnetized flow of nanofluids between two parallel permeable stretching/shrinking surfaces. Case Studies in Thermal Engineering, 2021, 28, 101353.	5.7	17
130	Chemically reactive transport of magnetized hybrid nanofluids through Darcian porous medium. Case Studies in Thermal Engineering, 2021, 28, 101431.	5.7	12
131	Rotating flow of carbon nanotubes subject to prescribed heat flux condition. Physica Scripta, 2021, 96, 025217.	2.5	2
132	Thermo-bioconvection in stagnation point flow of third-grade nanofluid towards a stretching cylinder involving motile microorganisms. Physica Scripta, 2021, 96, 035208.	2.5	11
133	Numerical Investigations of Radiative Flow of Viscous Fluid Through Porous Medium. Journal of Magnetics, 2021, 26, 277-284.	0.4	15
134	A bioconvection model for viscoelastic nanofluid confined by tapered asymmetric channel: implicit finite difference simulations. Journal of Biological Physics, 2021, 47, 499-520.	1.5	3
135	Nonlinear radiative transport of hybrid nanofluids due to moving sheet with entropy generation. International Journal of Chemical Reactor Engineering, 2021, .	1.1	2
136	Numerical Investigation for Radiative Transport in Magnetized Flow of Nanofluids due to Moving Surface. Mathematical Problems in Engineering, 2021, 2021, 1-10.	1.1	4
137	Significance of Thermophoretic and Brownian Motion on MHD Nanofluids Flow towards a Circular Cylinder under the Inspiration of Multiple Slips: An Industrial Application. Mathematical Problems in Engineering, 2021, 2021, 1-14.	1.1	14
138	Heat transfer characteristics of MHD flow of Williamson nanofluid over an exponential permeable stretching curved surface with variable thermal conductivity. Case Studies in Thermal Engineering, 2021, 28, 101544.	5.7	37
139	Cattaneo-Christov heat flux and entropy generation on hybrid nanofluid flow in a nozzle of rocket engine with melting heat transfer. Case Studies in Thermal Engineering, 2021, 28, 101504.	5.7	36
140	Pareto optimal design of a finned latent heat thermal energy storage unit using a novel hybrid technique. Journal of Energy Storage, 2021, 44, 103310.	8.1	27
141	Numerical simulation for magnetized transport of hybrid nanofluids with exponential space-based heat source. International Journal of Modern Physics B, 2021, 35, .	2.0	2
142	Heat transfer enhancement in stagnation point flow of ferro-copper oxide/water hybrid nanofluid: A special case study. Case Studies in Thermal Engineering, 2021, 28, 101615.	5.7	9
143	Comparative study of hybrid and nanofluid flows amidst two rotating disks with thermal stratification: Statistical and numerical approaches. Case Studies in Thermal Engineering, 2021, 28, 101596.	5.7	13
144	Thermal transport of bio-convection flow of micropolar nanofluid with motile microorganisms and velocity slip effects. Physica Scripta, 2021, 96, 015220.	2.5	10

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145	A Prabhakar Fractional Approach for the Convection Flow of Casson Fluid across an Oscillating Surface Based on the Generalized Fourier Law. Symmetry, 2021, 13, 2039.	2.2	14
146	On model for magnetized micropolar-nanofluid flow by a convectively heated rotating disk. Physica Scripta, 2021, 96, 015205.	2.5	1
147	Mathematical modeling and thermodynamics of Prandtlâ€“Eyring fluid with radiation effect: a numerical approach. Scientific Reports, 2021, 11, 22201.	3.3	25
148	Physical Aspects of Homogeneous-Heterogeneous Reactions on MHD Williamson Fluid Flow across a Nonlinear Stretching Curved Surface Together with Convective Boundary Conditions. Mathematical Problems in Engineering, 2021, 2021, 1-13.	1.1	7
149	Partial Slip Impact on Double Diffusive Convection Flow of Magneto-Carreau Nanofluid through Inclined Peristaltic Asymmetric Channel. Mathematical Problems in Engineering, 2021, 2021, 1-14.	1.1	3
150	Mathematical Analysis of the TB Model with Treatment via Caputo-Type Fractional Derivative. Discrete Dynamics in Nature and Society, 2021, 2021, 1-15.	0.9	7
151	On homogeneous-heterogeneous reactions in oblique stagnation-point flow of Jeffrey fluid involving Cattaneo-Christov heat flux. Thermal Science, 2021, 25, 165-172.	1.1	4
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