Muhammad Waqas

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/889423/publications.pdf

Version: 2024-02-01

200 papers	10,673 citations	19657 61 h-index	40979 93 g-index
200 all docs	200 docs citations	200 times ranked	1736 citing authors

#	Article	IF	Citations
1	Electro-osmotically driven generalized Newtonian blood flow in a divergent micro-channel. AEJ - Alexandria Engineering Journal, 2022, 61, 4519-4528.	6.4	41
2	Modeling and analysis of unsteady second-grade nanofluid flow subject to mixed convection and thermal radiation. Soft Computing, 2022, 26, 1033-1042.	3.6	36
3	Porosity effects on the peristaltic flow of biological fluid in a complex wavy channel. Pramana - Journal of Physics, 2022, 96, 1.	1.8	6
4	Application of Levenbergâ€“Marquardt technique for electrical conducting fluid subjected to variable viscosity. Indian Journal of Physics, 2022, 96, 3901-3919.	1.8	3
5	Further analysis of double-diffusive flow of nanofluid through a porous medium situated on an inclined plane: AI-based Levenbergâ€“Marquardt scheme with backpropagated neural network. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2022, 44, 1.	1.6	12
6	An improved Darcian analysis for chemically reacted Maxwell liquid toward convectively heated moving surface with magnetohydrodynamics. Journal of Thermal Analysis and Calorimetry, 2021, 143, 2069-2074.	3.6	7
7	Diffusion of stratification based chemically reactive Jeffrey liquid featuring mixed convection. Surfaces and Interfaces, 2021, 23, 100783.	3.0	37
8	Nonlinear Mixed Convection Impact on Radiated Flow of Nanomaterials Subject to Convective Conditions. Arabian Journal for Science and Engineering, 2021, 46, 2349-2359.	3.0	10
9	Rheology of hydromagnetic viscoelastic fluid subjected to dissipation aspect. International Journal of Numerical Methods for Heat and Fluid Flow, 2021, 31, 1110-1123.	2.8	0
10	Visualization of stratification based Eyringâ€“Powell material flow capturing nonlinear convectionÂeffects. Journal of Thermal Analysis and Calorimetry, 2021, 143, 2577-2584.	3.6	8
11	Stability analysis and modeling for the three-dimensional Darcy-Forchheimer stagnation point nanofluid flow towards a moving surface. Applied Mathematics and Mechanics (English Edition), 2021, 42, 357-370.	3.6	10
12	Bidirectional Williamson nanofluid flow towards stretchable surface with modified Darcyâ€™s law. Surfaces and Interfaces, 2021, 23, 100872.	3.0	17
13	Entropy generation of three-dimensional BÃ¶dewadt flow of water and hexanol base fluid suspended by $$hbox {Fe}_{{{3}}}hbox {O}_{{{4}}}$$ and $$hbox {MoS}_{{{2}}}$$ hybrid nanoparticles. Pramana - Journal of Physics, 2021, 95, 1.	1.8	57
14	A non-linear mathematical analysis of thermally radiative stratified nanoliquid featuring the aspects of magnetic field, Robin conditions and thermal radiation. International Communications in Heat and Mass Transfer, 2021, 125, 105199.	5.6	13
15	Dynamical interaction effects on soft-bodied organisms in a multi-sinusoidal passage. European Physical Journal Plus, 2021, 136, 1.	2.6	36
16	Thermo-solutal Robin conditions significance in thermally radiative nanofluid under stratification and magnetohydrodynamics. European Physical Journal: Special Topics, 2021, 230, 1307-1316.	2.6	20
17	A study on magneto-hydrodynamic non-Newtonian thermally radiative fluid considering mixed convection impact towards convective stratified surface. International Communications in Heat and Mass Transfer, 2021, 126, 105262.	5.6	36
18	Darcy-Forchheimer characteristics of viscoelastic stratified nanoliquid by convectively heated permeable surface. Thermal Science, 2021, 25, 1057-1065.	1.1	0

#	Article	IF	Citations
19	Visualization of non-linear convective Williamson liquid based on generalized heat-mass theories. Physica Scripta, 2021, 96, 015218.	2.5	2
20	Investigation of magneto-hydrodynamic fluid squeezed between two parallel disks by considering Joule heating, thermal radiation, and adding different nanoparticles. International Journal of Numerical Methods for Heat and Fluid Flow, 2020, 30, 659-680.	2.8	104
21	Transport of Jeffrey nanomaterial in cubic autocatalytic chemically nonlinear radiated flow with entropy generation. Applied Nanoscience (Switzerland), 2020, 10, 3011-3019.	3.1	8
22	Numerical modeling and analysis of non-Newtonian nanofluid featuring activation energy. Applied Nanoscience (Switzerland), 2020, 10, 3183-3192.	3.1	4
23	Transportation of radiative energy in viscoelastic nanofluid considering buoyancy forces and convective conditions. Chaos, Solitons and Fractals, 2020, 130, 109415.	5.1	94
24	The influence of different shapes of nanoparticle on Cuâ€“H<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e622" altimg="si3.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math>O nanofluids in a partially heated irregular wavy enclosure. Physica A: Statistical Mechanics and Its Applications, 2020, 540, 123034.	2.6	67
25	Nonlinear convection and joule heating impacts in magneto-thixotropic nanofluid stratified flow by convectively heated variable thicked surface. Journal of Molecular Liquids, 2020, 300, 111945.	4.9	37
26	Rheology of mixed convective Casson nanofluid in a convectively heated stratified medium. Applied Nanoscience (Switzerland), 2020, 10, 3227-3233.	3.1	5
27	Peristalsis of carbon nanotubes with radiative heat flux. Applied Nanoscience (Switzerland), 2020, 10, 347-357.	3.1	10
28	Transport of hybrid type nanomaterials in peristaltic activity of viscous fluid considering nonlinear radiation, entropy optimization and slip effects. Computer Methods and Programs in Biomedicine, 2020, 184, 105086.	4.7	55
29	Framing the novel aspects of irreversibilty in MHD flow of Williamson nanomaterial with thermal radiation near stagnation point. Journal of Thermal Analysis and Calorimetry, 2020, 139, 1291-1299.	3.6	7
30	A mathematical and computational framework for heat transfer analysis of ferromagnetic non-Newtonian liquid subjected to heterogeneous and homogeneous reactions. Journal of Magnetism and Magnetic Materials, 2020, 493, 165646.	2.3	128
31	Entropy optimized MHD 3D nanomaterial of non-Newtonian fluid: A combined approach to good absorber of solar energy and intensification of heat transport. Computer Methods and Programs in Biomedicine, 2020, 186, 105131.	4.7	140
32	Entropy optimized stretching flow based on non-Newtonian radiative nanoliquid under binary chemical reaction. Computer Methods and Programs in Biomedicine, 2020, 188, 105274.	4.7	35
33	Mathematical modelling and analysis of gravitational collapse in curved geometry. Computer Methods and Programs in Biomedicine, 2020, 184, 105283.	4.7	0
34	A modified Fourier approach for analysis of nanofluid heat generation within a semi-circular enclosure subjected to MFD viscosity. International Communications in Heat and Mass Transfer, 2020, 111, 104430.	5.6	83
35	Activation energy for the Carreau-Yasuda nanomaterial flow: Analysis of the entropy generation over a porous medium. Journal of Molecular Liquids, 2020, 297, 111905.	4.9	28
36	A theoretical nanofluid analysis exhibiting hydromagnetics characteristics employing CVFEM. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	42

#	Article	IF	Citations
37	Von KÃ¡rmÃ¡n swirling analysis for modeling Oldroyd-B nanofluid considering cubic autocatalysis. Physica Scripta, 2020, 95, 015206.	2.5	28
38	Entropy generation and economic analyses in a nanofluid filled L-shaped enclosure subjected to an oriented magnetic field. Applied Thermal Engineering, 2020, 168, 114789.	6.0	78
39	An implicit finite difference analysis of magnetic swimmers propelling through non-Newtonian liquid in a complex wavy channel. Computers and Mathematics With Applications, 2020, 79, 2189-2202.	2.7	32
40	Investigation of entropy generation in a square inclined cavity using control volume finite element method with aided quadratic Lagrange interpolation functions. International Communications in Heat and Mass Transfer, 2020, 110, 104398.	5.6	69
41	Heat generation in mixed convected Williamson liquid stretching flow under generalized Fourier concept. Applied Nanoscience (Switzerland), 2020, 10, 4439-4444.	3.1	23
42	Analytical evaluation of Oldroyd-B nanoliquid under thermo-solutal Robin conditions and stratifications. Computer Methods and Programs in Biomedicine, 2020, 196, 105474.	4.7	8
43	An improved double diffusion analysis of non-Newtonian chemically reactive fluid in frames of variables properties. International Communications in Heat and Mass Transfer, 2020, 115, 104524.	5.6	29
44	Entropy optimized Darcy-Forchheimer nanofluid (Silicon dioxide, Molybdenum disulfide) subject to temperature dependent viscosity. Computer Methods and Programs in Biomedicine, 2020, 190, 105363.	4.7	117
45	Convective stratified flow of magnetized Eyringâ€“Powell (EP) nanofluid by a stretching cylinder. Applied Nanoscience (Switzerland), 2020, 10, 5401-5408.	3.1	3
46	Numerical simulation for MHD Darcyâ€“Forchheimer three-dimensional stagnation point flow by a rotating disk with activation energy and partial slip. Applied Nanoscience (Switzerland), 2020, 10, 5469-5477.	3.1	9
47	Role of dipole interactions in Darcyâ€“Forchheimer first-order velocity slip nanofluid flow of Williamson model with Robin conditions. Applied Nanoscience (Switzerland), 2020, 10, 5343-5350.	3.1	11
48	Transportation and analysis of hybrid nanomaterial (graphene oxide, copper) in radiated Darcyâ€“Forchheimer flow with entropy optimization. International Journal of Modern Physics B, 2020, 34, 2050193.	2.0	3
49	Characterization of thermal-dependent conductivity in Cattaneoâ€“Christov (CC)-based buoyancy-driven incompressible flow. Applied Nanoscience (Switzerland), 2020, 10, 5441-5447.	3.1	1
50	Interaction of heat generation in nonlinear mixed/forced convective flow of Williamson fluid flow subject to generalized Fourier's and Fick's concept. Journal of Materials Research and Technology, 2020, 9, 11080-11086.	5.8	34
51	Locomotion of an efficient biomechanical sperm through viscoelastic medium. Biomechanics and Modeling in Mechanobiology, 2020, 19, 2271-2284.	2.8	45
52	Evaluation of Arrhenius activation energy and new mass flux condition in Carreau nanofluid: dual solutions. Applied Nanoscience (Switzerland), 2020, 10, 5279-5289.	3.1	15
53	Activation energy analysis in entropy optimized reactive flow. Applied Nanoscience (Switzerland), 2020, 10, 2673-2683.	3.1	3
54	Arrhenius activation energy aspects in mixed convection Carreau nanofluid with nonlinear thermal radiation. Applied Nanoscience (Switzerland), 2020, 10, 4403-4413.	3.1	27

#	Article	IF	Citations
55	A nonlinear mathematical analysis for magneto-hyperbolic-tangent liquid featuring simultaneous aspects of magnetic field, heat source and thermal stratification. Applied Nanoscience (Switzerland), 2020, 10, 4513-4518.	3.1	58
56	A theoretical analysis of Biorheological fluid flowing through a complex wavy convergent channel under porosity and electro-magneto-hydrodynamics Effects. Computer Methods and Programs in Biomedicine, 2020, 191, 105413.	4.7	35
57	Evaluating the characteristics of magnetic dipole for shear-thinning Williamson nanofluid with thermal radiation. Computer Methods and Programs in Biomedicine, 2020, 191, 105396.	4.7	75
58	A shear-rate-dependent flow generated via magnetically controlled metachronal motion of artificial cilia. Biomechanics and Modeling in Mechanobiology, 2020, 19, 1713-1724.	2.8	12
59	Cilia-driven fluid flow in a curved channel: effects of complex wave and porous medium. Fluid Dynamics Research, 2020, 52, 015514.	1.3	41
60	Bio-inspired propulsion of micro-swimmers within a passive cervix filled with couple stress mucus. Computer Methods and Programs in Biomedicine, 2020, 189, 105313.	4.7	38
61	Exploring the features for flow of Oldroyd-B liquid film subjected to rotating disk with homogeneous/heterogeneous processes. Computer Methods and Programs in Biomedicine, 2020, 189, 105323.	4.7	29
62	Magnetic field influence in three-dimensional rotating micropolar nanoliquid with convective conditions. Computer Methods and Programs in Biomedicine, 2020, 189, 105324.	4.7	16
63	Fully developed entropy optimized second order velocity slip MHD nanofluid flow with activation energy. Computer Methods and Programs in Biomedicine, 2020, 190, 105362.	4.7	150
64	On the evaluation of stratification based entropy optimized hydromagnetic flow featuring dissipation aspect and Robin conditions. Computer Methods and Programs in Biomedicine, 2020, 190, 105347.	4.7	38
65	Numerical simulation for nonlinear radiated Eyring-Powell nanofluid considering magnetic dipole and activation energy. International Communications in Heat and Mass Transfer, 2020, 112, 104401.	5.6	80
66	CVFEM simulation for FeO-HO nanofluid in an annulus between two triangular enclosures subjected to magnetic field and thermal radiation. International Communications in Heat and Mass Transfer, 2020, 112, 104449.	5.6	49
67	Corrigendum to â€œTransport of hybrid type nanomaterials in peristaltic activity of viscous fluid considering nonlinear radiation, entropy optimization and slip effectsâ€•[Computer methods and programs in biomedicine 184 (2020) 105,086]. Computer Methods and Programs in Biomedicine, 2020, 190, 105252.	4.7	0
68	Multiband Multi-rate Narrowband Software Defined Radio waveform based on CPM. , 2020, , .		2
69	Double stratfied flow of nanofluid subject to temperature based thermal conductivity and heat source. Thermal Science, 2020, 24, 1157-1171.	1.1	4
70	Thermally radiated squeezed flow of magneto-nanofluid between two parallel disks with chemical reaction. Journal of Thermal Analysis and Calorimetry, 2019, 135, 1021-1030.	3.6	31
71	Entropy optimization in cubic autocatalysis chemical reactive flow of Williamson fluid subjected to viscous dissipation and uniform magnetic field. Journal of Central South University, 2019, 26, 1218-1232.	3.0	13
72	Newtonian heat and mass conditions impact in thermally radiated Maxwell nanofluid Darcyâ€“Forchheimer flow with heat generation. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 2809-2821.	2.8	11

#	Article	IF	Citations
73	Entropy optimization in Ag-H2O and Cu-H2O nanomaterial flow with cubic autocatalysis chemical reaction. European Physical Journal Plus, 2019, 134, 1.	2.6	3
74	A mathematical framework for peristaltic flow analysis of non-Newtonian Sisko fluid in an undulating porous curved channel with heat and mass transfer effects. Computer Methods and Programs in Biomedicine, 2019, 182, 105040.	4.7	63
75	Modeling and analysis of von KÃ¡rmÃ¡n swirling flow for Oldroyd-B nanofluid featuringÂchemical processes. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	11
76	Darcyâ€“Forchheimer stratified flow of viscoelastic nanofluid subjected to convective conditions. Applied Nanoscience (Switzerland), 2019, 9, 2031-2037.	3.1	23
77	Shape effects of Copper-Oxide (CuO) nanoparticles to determine the heat transfer filled in a partially heated rhombus enclosure: CVFEM approach. International Communications in Heat and Mass Transfer, 2019, 107, 14-23.	5.6	88
78	On entropy generation effectiveness in flow of power law fluid with cubic autocatalytic chemical reaction. Applied Nanoscience (Switzerland), 2019, 9, 1205-1214.	3.1	26
79	Effectiveness of improved Fourier-Fick laws in a stratified non-Newtonian fluid with variable fluid characteristics. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 2128-2145.	2.8	12
80	Numerical simulation for thermal radiation and porous medium characteristics in flow of CuO-H2O nanofluid. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	43
81	A computational framework for natural convective hydromagnetic flow via inclined cavity: An analysis subjected to entropy generation. Journal of Molecular Liquids, 2019, 287, 110863.	4.9	66
82	Numerical simulation for activation energy impact in Darcyâ€“Forchheimer nanofluid flow by impermeable cylinder with thermal radiation. Applied Nanoscience (Switzerland), 2019, 9, 1173-1182.	3.1	20
83	Simulation of magnetohydrodynamics and radiative heat transport in convectively heated stratified flow of Jeffrey nanofluid. Journal of Physics and Chemistry of Solids, 2019, 133, 45-51.	4.0	96
84	Interaction of thermal radiation in hydromagnetic viscoelastic nanomaterial subject to gyrotactic microorganisms. Applied Nanoscience (Switzerland), 2019, 9, 1193-1204.	3.1	22
85	Modeling and analysis for magnetic dipole impact in nonlinear thermally radiating Carreau nanofluid flow subject to heat generation. Journal of Magnetism and Magnetic Materials, 2019, 485, 197-204.	2.3	91
86	The role of Î³Al2O3â^'H2O and Î³Al2O3â^'C2H6O2 nanomaterials in Darcy-Forchheimer stagnation point flow: An analysis using entropy optimization. International Journal of Thermal Sciences, 2019, 140, 20-27.	4.9	26
87	Modeling and analysis of Maxwell nanofluid considering mixed convection and Darcyâ€“Forchheimer relation. Applied Nanoscience (Switzerland), 2019, 9, 1155-1162.	3.1	9
88	Theoretical investigation of peristalsis transport in flow of hyperbolic tangent fluid with slip effects and chemical reaction. Journal of Molecular Liquids, 2019, 285, 314-322.	4.9	39
89	Simulation of revised nanofluid model in the stagnation region of cross fluid by expanding-contracting cylinder. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 30, 2193-2205.	2.8	75
90	Simulation of Fe₃O₄-H₂O nanoliquid in a triangular enclosure subjected to Cattaneoâ€“Christov theory of heat conduction. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 4430-4444.	2.8	33

#	Article	IF	Citations
91	OHAM analysis for dissipative viscoelastic nanofluid considering entropy generation and activation energy. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 4807-4825.	2.8	7
92	Mathematical analysis of thermally radiative time-dependent Sisko nanofluid flow for curved surface. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 3498-3514.	2.8	45
93	Importance of convective heat transfer in flow of non-Newtonian nanofluid featuring Brownian and thermophoretic diffusions. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 4624-4641.	2.8	47
94	A theoretical investigation for mixed convection impact in non-Newtonian nanofluid stratified flow subjected to magnetic field. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 2948-2963.	2.8	8
95	Simulation of nanofluid thermal radiation in Marangoni convection flow of non-Newtonian fluid. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 2840-2853.	2.8	3
96	CVFEM analysis for Fe3O4â€“H2O nanofluid in an annulus subject to thermal radiation. International Journal of Heat and Mass Transfer, 2019, 132, 473-483.	4.8	105
97	Entropy generation in flow of Carreau nanofluid. Journal of Molecular Liquids, 2019, 278, 677-687.	4.9	131
98	Effectiveness of radiative heat flux in MHD flow of Jeffrey-nanofluid subject to Brownian and thermophoresis diffusions. Journal of Hydrodynamics, 2019, 31, 421-427.	3.2	24
99	Numerical simulation of hydromagnetic mixed convective radiative slip flow with variable fluid properties: A mathematical model for entropy generation. Journal of Physics and Chemistry of Solids, 2019, 125, 153-164.	4.0	90
100	A theoretical analysis of SWCNTâ€“MWCNT and H2O nanofluids considering Darcyâ€–Forchheimer relation. Applied Nanoscience (Switzerland), 2019, 9, 1183-1191.	3.1	75
101	A theoretical and comparative analysis of Î³Al2O3â€“H2O and Î³Al2O3â€“C2H6O2 nanoparticles with entropy generation and nonlinear radiation. Applied Nanoscience (Switzerland), 2019, 9, 1227-1238.	3.1	3
102	On stratified variable thermal conductivity stretched flow of Walter-B material subject to non-Fourier flux theory. Neural Computing and Applications, 2019, 31, 199-205.	5.6	1
103	On non-Fourier flux in nonlinear stretching flow of hyperbolic tangent material. Neural Computing and Applications, 2019, 31, 597-605.	5.6	11
104	Significance of improved Fourier-Fick laws in non-linear convective micropolar material stratified flow with variable properties. Thermal Science, 2019, 23, 3809-3815.	1.1	3
105	A generalized Fourier and Fick's perspective for stretching flow of burgers fluid with temperature-dependent thermal conductivity. Thermal Science, 2019, 23, 3425-3432.	1.1	6
106	A comprehensive note on thermally stratified flow and non-Fourier heat flux theory. Thermal Science, 2019, 23, 3401-3410.	1.1	2
107	Cross diffusion and exponential space dependent heat source impacts in radiated three-dimensional (3D) flow of Casson fluid by heated surface. Results in Physics, 2018, 8, 1275-1282.	4.1	40
108	Impact of chemical reaction in fully developed radiated mixed convective flow between two rotating disk. Physica B: Condensed Matter, 2018, 538, 138-149.	2.7	25

#	Article	IF	Citations
109	Analysis of forced convective modified Burgers liquid flow considering Cattaneo-Christov double diffusion. Results in Physics, 2018, 8, 908-913.	4.1	22
110	Unsteady stagnation point flow of Oldroyd-B nanofluid with heat generation/absorption and nonlinear thermal radiation. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	1.6	8
111	Application of improved Fourierâ€™s and Fickâ€™s laws in a non-Newtonian fluid with temperature-dependent thermal conductivity. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	1.6	10
112	Nonlinear convection flow of micropolar liquid: an application of improved Fourierâ€™s expression. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	1.6	1
113	Numerical Simulation for Magneto Nanofluid Flow Through a Porous Space with Melting Heat Transfer. Microgravity Science and Technology, 2018, 30, 265-275.	1.4	21
114	Stagnation point flow of third-grade liquid due to variable thickness: A useful application to non-Fourier heat flux approach. Results in Physics, 2018, 8, 1010-1016.	4.1	12
115	Simulation of nonlinear convective thixotropic liquid with Cattaneo-Christov heat flux. Results in Physics, 2018, 8, 1023-1027.	4.1	16
116	Melting heat transfer in stagnation point of Carreau fluid with nonlinear thermal radiation and heat source. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	1.6	6
117	Investigation of second grade fluid through temperature dependent thermal conductivity and non-Fourier heat flux. Results in Physics, 2018, 9, 871-878.	4.1	17
118	Entropy generation minimization and binary chemical reaction with Arrhenius activation energy in MHD radiative flow of nanomaterial. Journal of Molecular Liquids, 2018, 259, 274-283.	4.9	154
119	Stagnation point flow of nanomaterial towards nonlinear stretching surface with melting heat. Neural Computing and Applications, 2018, 30, 509-518.	5.6	7
120	Magnetohydrodynamic stagnation point flow of third-grade liquid toward variable sheet thickness. Neural Computing and Applications, 2018, 30, 2417-2423.	5.6	9
121	Transport of magnetohydrodynamic nanomaterial in a stratified medium considering gyrotactic microorganisms. Physica B: Condensed Matter, 2018, 529, 33-40.	2.7	130
122	Magneto-hydrodynamical numerical simulation of heat transfer in MHD stagnation point flow of Cross fluid model towards a stretched surface. Physics and Chemistry of Liquids, 2018, 56, 584-595.	1.2	38
123	MHD stratified nanofluid flow by slandering surface. Physica Scripta, 2018, 93, 115701.	2.5	22
124	Salient aspects of entropy generation optimization in mixed convection nanomaterial flow. International Journal of Heat and Mass Transfer, 2018, 126, 1337-1346.	4.8	58
125	Numerical simulation for radiative flow of nanoliquid by rotating disk with carbon nanotubes and partial slip. Computer Methods in Applied Mechanics and Engineering, 2018, 341, 397-408.	6.6	76
126	Effect of Nonlinear Convection on Stratified Flow of Third Grade Fluid with Revised Fourier-Fick Relations. Communications in Theoretical Physics, 2018, 70, 025.	2.5	15

#	Article	IF	Citations
127	Flow of chemically reactive magneto Cross nanoliquid with temperature-dependent conductivity. Applied Nanoscience (Switzerland), 2018, 8, 1453-1460.	3.1	37
128	Effectiveness of Darcy-Forchheimer and nonlinear mixed convection aspects in stratified Maxwell nanomaterial flow induced by convectively heated surface. Applied Mathematics and Mechanics (English Edition), 2018, 39, 1373-1384.	3.6	22
129	Diffusion of chemically reactive species in third grade fluid flow over an exponentially stretching sheet considering magnetic field effects. Chinese Journal of Chemical Engineering, 2017, 25, 257-263.	3.5	82
130	Mathematical modeling of non-Newtonian fluid with chemical aspects: A new formulation and results by numerical technique. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 518, 263-272.	4.7	88
131	Newtonian heating effect in nanofluid flow by a permeable cylinder. Results in Physics, 2017, 7, 256-262.	4.1	74
132	Effectiveness of magnetic nanoparticles in radiative flow of Eyring-Powell fluid. Journal of Molecular Liquids, 2017, 231, 126-133.	4.9	80
133	Outcome for chemically reactive aspect in flow of tangent hyperbolic material. Journal of Molecular Liquids, 2017, 230, 143-151.	4.9	89
134	On Cattaneoâ€“Christov heat flux in the flow of variable thermal conductivity Eyringâ€“Powell fluid. Results in Physics, 2017, 7, 446-450.	4.1	63
135	Magnetohydrodynamic flow of Casson fluid over a stretching cylinder. Results in Physics, 2017, 7, 498-502.	4.1	123
136	Magnetohydrodynamic flow of burgers fluid with heat source and power law heat flux. Chinese Journal of Physics, 2017, 55, 318-330.	3.9	70
137	Application of non-Fourier heat flux theory in thermally stratified flow of second grade liquid with variable properties. Chinese Journal of Physics, 2017, 55, 230-241.	3.9	26
138	On Cattaneoâ€“Christov double diffusion impact for temperature-dependent conductivity of Powellâ€“Eyring liquid. Chinese Journal of Physics, 2017, 55, 729-737.	3.9	77
139	Importance of chemical reactions in flow of Walter-B liquid subject to non-Fourier flux modeling. Journal of Molecular Liquids, 2017, 238, 229-235.	4.9	13
140	Magnetohydrodynamic (MHD) stagnation point flow of Casson fluid over a stretched surface with homogeneousâ€“heterogeneous reactions. Journal of Theoretical and Computational Chemistry, 2017, 16, 1750022.	1.8	33
141	Radiative flow of micropolar nanofluid accounting thermophoresis and Brownian moment. International Journal of Hydrogen Energy, 2017, 42, 16821-16833.	7.1	131
142	MHD stagnation point flow accounting variable thickness and slip conditions. Colloid and Polymer Science, 2017, 295, 1201-1209.	2.1	15
143	Impact of variable thermal conductivity in doubly stratified chemically reactive flow subject to non-Fourier heat flux theory. Journal of Molecular Liquids, 2017, 234, 444-451.	4.9	16
144	A comparative study of Casson fluid with homogeneous-heterogeneous reactions. Journal of Colloid and Interface Science, 2017, 498, 85-90.	9.4	631

#	Article	IF	Citations
145	Mixed convective stagnation point flow of Carreau fluid with variable properties. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 3005-3017.	1.6	34
146	Impact of heat generation/absorption and homogeneous-heterogeneous reactions on flow of Maxwell fluid. Journal of Molecular Liquids, 2017, 233, 465-470.	4.9	69
147	Magnetohydrodynamic (MHD) stretched flow of tangent hyperbolic nanoliquid with variable thickness. Journal of Molecular Liquids, 2017, 229, 178-184.	4.9	67
148	On doubly stratified chemically reactive flow of Powellâ€“Eyring liquid subject to non-Fourier heat flux theory. Results in Physics, 2017, 7, 99-106.	4.1	56
149	Numerical simulation for melting heat transfer and radiation effects in stagnation point flow of carbonâ€“water nanofluid. Computer Methods in Applied Mechanics and Engineering, 2017, 315, 1011-1024.	6.6	198
150	Numerical simulation of nonlinear thermal radiation and homogeneous-heterogeneous reactions in convective flow by a variable thicked surface. Journal of Molecular Liquids, 2017, 246, 259-267.	4.9	67
151	Significance of nonlinear radiation in mixed convection flow of magneto Walter-B nanoliquid. International Journal of Hydrogen Energy, 2017, 42, 26408-26416.	7.1	89
152	Importance of Darcy-Forchheimer relation in chemically reactive radiating flow towards convectively heated surface. Journal of Molecular Liquids, 2017, 248, 1071-1077.	4.9	27
153	Chemically reactive flow of micropolar fluid accounting viscous dissipation and Joule heating. Results in Physics, 2017, 7, 3706-3715.	4.1	25
154	Mechanism of chemical aspect in ferromagnetic flow of second grade liquid. Results in Physics, 2017, 7, 4162-4167.	4.1	10
155	Three-dimensional mixed convection flow of Sisko nanoliquid. International Journal of Mechanical Sciences, 2017, 133, 273-282.	6.7	49
156	Stagnation point flow of hyperbolic tangent fluid with Soret-Dufour effects. Results in Physics, 2017, 7, 2711-2717.	4.1	39
157	Radiative flow of hyperbolic tangent liquid subject to Joule heating. Results in Physics, 2017, 7, 2197-2203.	4.1	11
158	The onset of modified Fourier and Fickâ€™s theories in temperature-dependent conductivity flow of micropolar liquid. Results in Physics, 2017, 7, 3145-3152.	4.1	9
159	Chemically reactive flow of upper-convected Maxwell fluid with Cattaneoâ€“Christov heat flux model. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 4571-4578.	1.6	51
160	On the performance of heat absorption/generation and thermal stratification in mixed convective flow of an Oldroyd-B fluid. Nuclear Engineering and Technology, 2017, 49, 1645-1653.	2.3	32
161	Homotopic solutions for stagnation point flow of third-grade nanoliquid subject to magnetohydrodynamics. Results in Physics, 2017, 7, 4310-4317.	4.1	20
162	Soret and Dufour effects in stretching flow of Jeffrey fluid subject to Newtonian heat and mass conditions. Results in Physics, 2017, 7, 4183-4188.	4.1	31

#	Article	IF	Citations
163	Influence of thermal radiation and chemical reaction in mixed convection stagnation point flow of Carreau fluid. Results in Physics, 2017, 7, 4058-4064.	4.1	16
164	Behavior of stratification phenomenon in flow of Maxwell nanomaterial with motile gyrotactic microorganisms in the presence of magnetic field. International Journal of Mechanical Sciences, 2017, 131-132, 426-434.	6.7	104
165	Stratified flow of an Oldroyd-B nanoliquid with heat generation. Results in Physics, 2017, 7, 2489-2496.	4.1	100
166	Numerical simulation for magneto Carreau nanofluid model with thermal radiation: A revised model. Computer Methods in Applied Mechanics and Engineering, 2017, 324, 640-653.	6.6	188
167	Nonlinear thermal radiation in flow induced by a slendering surface accounting thermophoresis and Brownian diffusion. European Physical Journal Plus, 2017, 132, 1.	2.6	73
168	Chemically reactive flow of Maxwell liquid due to variable thicked surface. International Communications in Heat and Mass Transfer, 2017, 86, 231-238.	5.6	76
169	Impacts of constructive and destructive chemical reactions in magnetohydrodynamic (MHD) flow of Jeffrey liquid due to nonlinear radially stretched surface. Journal of Molecular Liquids, 2017, 225, 302-310.	4.9	95
170	Mixed Convection Stagnation-Point Flow of Powell-Eyring Fluid with Newtonian Heating, Thermal Radiation, and Heat Generation/Absorption. Journal of Aerospace Engineering, 2017, 30, 04016077.	1.4	24
171	Theoretical investigation of the doubly stratified flow of an Eyring-Powell nanomaterial via heat generation/absorption. European Physical Journal Plus, 2017, 132, 1.	2.6	14
172	Viscous dissipation effect in flow of magnetonanofluid with variable properties. Journal of Molecular Liquids, 2016, 222, 47-54.	4.9	114
173	Radiative flow of a tangent hyperbolic fluid with convective conditions and chemical reaction. European Physical Journal Plus, 2016, 131, 1.	2.6	39
174	Similarity transformation approach for ferromagnetic mixed convection flow in the presence of chemically reactive magnetic dipole. Physics of Fluids, 2016, 28, .	4.0	71
175	Thermally radiative stagnation point flow of Maxwell nanofluid due to unsteady convectively heated stretched surface. Journal of Molecular Liquids, 2016, 224, 801-810.	4.9	63
176	Cattaneo-Christov heat flux model for flow of variable thermal conductivity generalized Burgers fluid. Journal of Molecular Liquids, 2016, 220, 642-648.	4.9	214
177	Impact of Cattaneoâ€“Christov heat flux model in flow of variable thermal conductivity fluid over a variable thicked surface. International Journal of Heat and Mass Transfer, 2016, 99, 702-710.	4.8	647
178	MHD 2D flow of Williamson nanofluid over a nonlinear variable thicked surface with melting heat transfer. Journal of Molecular Liquids, 2016, 223, 836-844.	4.9	83
179	Chemically reactive flow of third grade fluid by an exponentially convected stretching sheet. Journal of Molecular Liquids, 2016, 223, 853-860.	4.9	39
180	Stagnation point flow towards nonlinear stretching surface with Cattaneo-Christov heat flux. European Physical Journal Plus, 2016, 131, 1.	2.6	30

#	Article	IF	Citations
181	Simultaneous influences of mixed convection and nonlinear thermal radiation in stagnation point flow of Oldroyd-B fluid towards an unsteady convectively heated stretched surface. Journal of Molecular Liquids, 2016, 224, 811-817.	4.9	63
182	MHD flow of Jeffrey liquid due to a nonlinear radially stretched sheet in presence of Newtonian heating. Results in Physics, 2016, 6, 817-823.	4.1	48
183	Magnetohydrodynamic (MHD) mixed convection flow of micropolar liquid due to nonlinear stretched sheet with convective condition. International Journal of Heat and Mass Transfer, 2016, 102, 766-772.	4.8	412
184	Analysis of thixotropic nanomaterial in a doubly stratified medium considering magnetic field effects. International Journal of Heat and Mass Transfer, 2016, 102, 1123-1129.	4.8	196
185	Mixed convection flow of a Burgers nanofluid in the presence of stratifications and heat generation/absorption. European Physical Journal Plus, 2016, 131, 1.	2.6	67
186	On 2D stratified flow of an Oldroyd-B fluid with chemical reaction: An Application of non-Fourier heat flux theory. Journal of Molecular Liquids, 2016, 223, 566-571.	4.9	63
187	MHD stagnation point flow of viscoelastic nanofluid with non-linear radiation effects. Journal of Molecular Liquids, 2016, 221, 1097-1103.	4.9	289
188	On model of Burgers fluid subject to magneto nanoparticles and convective conditions. Journal of Molecular Liquids, 2016, 222, 181-187.	4.9	67
189	A model of solar radiation and Joule heating in magnetohydrodynamic (MHD) convective flow of thixotropic nanofluid. Journal of Molecular Liquids, 2016, 215, 704-710.	4.9	152
190	Mixed convection flow of viscoelastic nanofluid by a cylinder with variable thermal conductivity and heat source/sink. International Journal of Numerical Methods for Heat and Fluid Flow, 2016, 26, 214-234.	2.8	77
191	Stretched flow of Carreau nanofluid with convective boundary condition. Pramana - Journal of Physics, 2016, 86, 3-17.	1.8	74
192	Flow and Heat Transfer over an Unsteady Stretching Sheet in a Micropolar Fluid with Convective Boundary Condition. Journal of Applied Fluid Mechanics, 2016, 9, 1437-1445.	0.2	42
193	MHD stagnation point flow of Jeffrey fluid by a radially stretching surface with viscous dissipation and Joule heating. Journal of Hydrology and Hydromechanics, 2015, 63, 311-317.	2.0	75
194	Software Reverse Engineering to Requirement Engineering for Evolution of Legacy System. , 2015, , .		7
195	Mixed Convection Radiative Flow of Maxwell Fluid Near a Stagnation Point with Convective Condition. Journal of Mechanics, 2013, 29, 403-409.	1.4	80
196	Characterization of magnetized CNT-based hybrid nanofluid subjected to convective phenomenon. International Journal of Modern Physics B, 0, , .	2.0	2
197	Rheology of magneto-micropolar nanoliquid toward radiative exponential surface subjected to Brownian motion, thermal radiation, thermophoresis and viscous dissipation. Waves in Random and Complex Media, 0, , 1-15.	2.7	2
198	Thermally radiative couple-stress magnetized liquid featuring Newtonian heating. Waves in Random and Complex Media, 0, , 1-12.	2.7	1

#	Article	IF	Citations
199	Numerical and analytical solutions for unsteady nanofluid flow capturing magneto-hydrodynamic and radiation effects. Waves in Random and Complex Media, 0, , 1-21.	2.7	0
200	Entropy generation analysis for the radiative flow of Sisko nanofluid with heat sink/source. Waves in Random and Complex Media, 0, , 1-17.	2.7	3