Masood Khan

List of Publications by Year in descending order

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342 papers	10,642 citations	38742 50 h-index	85541 71 g-index
347 all docs	347 docs citations	347 times ranked	1883 citing authors

#	Article	IF	Citations
1	Homotopy analysis of MHD flows of an Oldroyd 8-constant fluid. Acta Mechanica, 2004, 168, 213-232.	2.1	210
2	On the explicit analytic solutions of an Oldroyd 6-constant fluid. International Journal of Engineering Science, 2004, 42, 123-135.	5.0	174
3	Impact of nonlinear thermal radiation and gyrotactic microorganisms on the Magneto-Burgers nanofluid. International Journal of Mechanical Sciences, 2017, 130, 375-382.	6.7	162
4	Homotopy Solutions for a Generalized Second-Grade Fluid Past a Porous Plate. Nonlinear Dynamics, 2005, 42, 395-405.	5.2	158
5	Non-linear radiative flow of three-dimensional Burgers nanofluid with new mass flux effect. International Journal of Heat and Mass Transfer, 2016, 101, 570-576.	4.8	125
6	Impacts of binary chemical reaction with activation energy on unsteady flow of magneto-Williamson nanofluid. Journal of Molecular Liquids, 2018, 262, 435-442.	4.9	125
7	Unsteady heat and mass transfer mechanisms in MHD Carreau nanofluidÂflow. Journal of Molecular Liquids, 2017, 225, 554-562.	4.9	123
8	Impact of chemical processes on magneto nanoparticle for the generalized Burgers fluid. Journal of Molecular Liquids, 2017, 234, 201-208.	4.9	115
9	Stagnation point flow of Maxwell nanofluid over a permeable rotating disk with heat source/sink. Journal of Molecular Liquids, 2019, 287, 110853.	4.9	112
10	Influence of Arrhenius activation energy in chemically reactive radiative flow of 3D Carreau nanofluid with nonlinear mixed convection. Journal of Physics and Chemistry of Solids, 2019, 125, 141-152.	4.0	110
11	Exact solution for MHD flow of a generalized Oldroyd-B fluid with modified Darcyâ€™s law. International Journal of Engineering Science, 2006, 44, 333-339.	5.0	109
12	Boundary layer flow and heat transfer to Carreau fluid over a nonlinear stretching sheet. AIP Advances, 2015, 5, .	1.3	104
13	Couette and Poiseuille flows of an Oldroyd 6-constant fluid with magnetic field. Journal of Mathematical Analysis and Applications, 2004, 298, 225-244.	1.0	100
14	Magnetohydrodynamic flow of Carreau fluid over a convectively heated surface in the presence of non-linear radiation. Journal of Magnetism and Magnetic Materials, 2016, 412, 63-68.	2.3	92
15	Consequences of activation energy and binary chemical reaction for 3D flow of Cross-nanofluid with radiative heat transfer. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	89
16	Influence of Hall current on the flows of a generalized Oldroyd-B fluid in a porous space. Acta Mechanica, 2006, 184, 1-13.	2.1	86
17	Unsteady mixed convective flow of Williamson nanofluid with heat transfer in the presence of variable thermal conductivity and magnetic field. Journal of Molecular Liquids, 2018, 260, 436-446.	4.9	86
18	Modern development on the features of magnetic field and heat sink/source in Maxwell nanofluid subject to convective heat transport. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 1992-2002.	2.1	84

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19	Transient flows of a second grade fluid. International Journal of Non-Linear Mechanics, 2004, 39, 1621-1633.	2.6	81
20	Three-Dimensional Flow of an Oldroyd-B Nanofluid towards Stretching Surface with Heat Generation/Absorption. PLoS ONE, 2014, 9, e105107.	2.5	79
21	A note on convective heat transfer of an MHD Jeffrey fluid over a stretching sheet. AIP Advances, 2015, 5, .	1.3	79
22	Analytic and numerical solutions for axisymmetric flow with partial slip. Engineering With Computers, 2016, 32, 149-154.	6.1	79
23	Exact solutions of flow problems of an Oldroyd-B fluid. Applied Mathematics and Computation, 2004, 151, 105-119.	2.2	78
24	Effects of Arrhenius activation energy in development of covalent bonding in axisymmetric flow of radiative-Cross nanofluid. International Communications in Heat and Mass Transfer, 2020, 113, 104547.	5.6	77
25	MHD boundary layer flow of a power-law nanofluid with new mass flux condition. AIP Advances, 2016, 6, .	1.3	71
26	A new modeling for 3D Carreau fluid flow considering nonlinear thermal radiation. Results in Physics, 2017, 7, 2692-2704.	4.1	71
27	On accelerated flows of a viscoelastic fluid with the fractional Burgersâ€™ model. Nonlinear Analysis: Real World Applications, 2009, 10, 2286-2296.	1.7	70
28	Numerical analysis of unsteady 3D flow of Carreau nanofluid with variable thermal conductivity and heat source/sink. Results in Physics, 2017, 7, 3315-3324.	4.1	69
29	Numerical simulation for solar energy aspects on unsteady convective flow of MHD Cross nanofluid: A revised approach. International Journal of Heat and Mass Transfer, 2019, 131, 495-505.	4.8	69
30	On the Exact Solution for Axisymmetric Flow and Heat Transfer over a Nonlinear Radially Stretching Sheet. Chinese Physics Letters, 2012, 29, 084705.	3.3	68
31	A review on slip-flow and heat transfer performance of nanofluids from a permeable shrinking surface with thermal radiation: Dual solutions. Chemical Engineering Science, 2017, 173, 1-11.	3.8	67
32	On boundary layer flow of a Sisko fluid over a stretching sheet. Quaestiones Mathematicae, 2013, 36, 137-151.	0.6	65
33	A rheological analysis of nanofluid subjected to melting heat transport characteristics. Applied Nanoscience (Switzerland), 2020, 10, 3161-3170.	3.1	65
34	Stagnation point flow of radiative Oldroyd-B nanofluid over a rotating disk. Computer Methods and Programs in Biomedicine, 2020, 191, 105342.	4.7	65
35	Steady flow and heat transfer of a Sisko fluid in annular pipe. International Journal of Heat and Mass Transfer, 2010, 53, 1290-1297.	4.8	64
36	On Cattaneoâ€“Christov heat flux model for Carreau fluid flow over a slendering sheet. Results in Physics, 2017, 7, 310-319.	4.1	64

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37	Numerical simulation for variable thermal properties and heat source/sink in flow of Cross nanofluid over a moving cylinder. International Communications in Heat and Mass Transfer, 2020, 118, 104832.	5.6	64
38	Magnetohydrodynamic flow of an Oldroyd 6-constant fluid. Applied Mathematics and Computation, 2004, 155, 417-425.	2.2	63
39	Impact of chemical processes on 3D Burgers fluid utilizing Cattaneo-Christov double-diffusion: Applications of non-Fourier's heat and non-Fick's mass flux models. Journal of Molecular Liquids, 2016, 223, 1039-1047.	4.9	63
40	Peristaltic transport of a third order fluid under the effect of a magnetic field. Computers and Mathematics With Applications, 2007, 53, 1074-1087.	2.7	62
41	Some analytical solutions for second grade fluid flows for cylindricalÂgeometries. Mathematical and Computer Modelling, 2006, 43, 16-29.	2.0	60
42	On the MHD flow of fractional generalized Burgersâ€™ fluid with modified Darcyâ€™s law. Acta Mechanica Sinica/Lixue Xuebao, 2007, 23, 257-261.	3.4	60
43	A revised model to analyze the heat and mass transfer mechanisms in the flow of Carreau nanofluids. International Journal of Heat and Mass Transfer, 2016, 103, 291-297.	4.8	60
44	Exact solutions for some oscillating motions of a fractional Burgersâ€™ fluid. Mathematical and Computer Modelling, 2010, 51, 682-692.	2.0	58
45	Unsteady stagnation-point flow of Williamson fluid generated by stretching/shrinking sheet with Ohmic heating. International Journal of Heat and Mass Transfer, 2018, 126, 933-940.	4.8	57
46	Forced convection analysis for generalized Burgers nanofluid flow over a stretching sheet. AIP Advances, 2015, 5, .	1.3	56
47	Three-dimensional flow and heat transfer to burgers fluid using Cattaneo-Christov heat flux model. Journal of Molecular Liquids, 2016, 221, 651-657.	4.9	56
48	Effects of melting and heat generation/absorption on unsteady Falkner-Skan flow of Carreau nanofluid over a wedge. International Journal of Heat and Mass Transfer, 2017, 110, 437-446.	4.8	56
49	Impact of autocatalysis chemical reaction on nonlinear radiative heat transfer of unsteady three-dimensional Eyringâ€“Powell magneto-nanofluid flow. Pramana - Journal of Physics, 2018, 91, 1.	1.8	56
50	MHD swirling flow and heat transfer in Maxwell fluid driven by two coaxially rotating disks with variable thermal conductivity. Chinese Journal of Physics, 2019, 60, 22-34.	3.9	56
51	Non-linear peristaltic flow of a non-Newtonian fluid under effect of a magnetic field in a planar channel. Communications in Nonlinear Science and Numerical Simulation, 2007, 12, 910-919.	3.3	55
52	An improved heat conduction and mass diffusion models for rotating flow of an Oldroyd-B fluid. Results in Physics, 2017, 7, 3583-3589.	4.1	55
53	Flow and Heat Transfer in Sisko Fluid with Convective Boundary Condition. PLoS ONE, 2014, 9, e107989.	2.5	54
54	The effect of the slip condition on flows of an Oldroyd 6-constant fluid. Journal of Computational and Applied Mathematics, 2007, 202, 402-413.	2.0	53

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55	Numerical investigation on time-dependent flow of Williamson nanofluid along with heat and mass transfer characteristics past a wedge geometry. International Journal of Heat and Mass Transfer, 2018, 118, 480-491.	4.8	53
56	Unsteady motions of a generalized second-grade fluid. Mathematical and Computer Modelling, 2005, 41, 629-637.	2.0	52
57	Analytic solution for flow of Sisko fluid through a porous medium. Transport in Porous Media, 2008, 71, 23-37.	2.6	52
58	On unsteady Falkner-Skan flow of MHD Carreau nanofluid past a static/moving wedge with convective surface condition. Journal of Molecular Liquids, 2017, 230, 48-58.	4.9	52
59	On axisymmetric flow and heat transfer of Cross fluid over a radially stretching sheet. Results in Physics, 2017, 7, 3767-3772.	4.1	52
60	On multiple solutions of non-Newtonian Carreau fluid flow over an inclined shrinking sheet. Results in Physics, 2018, 8, 926-932.	4.1	52
61	Importance of activation energy in development of chemical covalent bonding in flow of Sisko magneto-nanofluids over a porous moving curved surface. International Journal of Hydrogen Energy, 2019, 44, 10197-10206.	7.1	52
62	COMBINED POROUS AND MAGNETIC EFFECTS ON SOME FUNDAMENTAL MOTIONS OF NEWTONIAN FLUIDS OVER AN INFINITE PLATE. Journal of Porous Media, 2018, 21, 589-605.	1.9	52
63	Mixed convection heat transfer to cross fluid with thermal radiation: Effects of buoyancy assisting and opposing flows. International Journal of Mechanical Sciences, 2018, 138-139, 515-523.	6.7	51
64	Modeling and simulation for 3D magneto Eyringâ€“Powell nanomaterial subject to nonlinear thermal radiation and convective heating. Results in Physics, 2017, 7, 1899-1906.	4.1	50
65	Interaction between chemical species and generalized Fourierâ€™s law on 3D flow of Carreau fluid with variable thermal conductivity and heat sink/source: A numerical approach. Results in Physics, 2018, 10, 107-117.	4.1	50
66	Impact of heat source/sink on radiative heat transfer to Maxwell nanofluid subject to revised mass flux condition. Results in Physics, 2018, 9, 851-857.	4.1	50
67	Chemically reactive and radiative von KÃ¡rmÃ¡n swirling flow due to a rotating disk. Applied Mathematics and Mechanics (English Edition), 2018, 39, 1295-1310.	3.6	49
68	Assessment on characteristics of heterogeneous-homogenous processes in three-dimensional flow of Burgers fluid. Results in Physics, 2016, 6, 772-779.	4.1	48
69	Numerical investigation of generalized Fourier's and Fick's laws for Sisko fluid flow. Journal of Molecular Liquids, 2016, 224, 1016-1021.	4.9	48
70	Numerical assessment of solar energy aspects on 3D magneto-Carreau nanofluid: A revised proposed relation. International Journal of Hydrogen Energy, 2017, 42, 22054-22065.	7.1	48
71	Theoretical aspects of thermophoresis and Brownian motion for three-dimensional flow of the cross fluid with activation energy. Pramana - Journal of Physics, 2019, 92, 1.	1.8	47
72	Flow of Oldroyd-B fluid over a rotating disk with Cattaneoâ€“Christov theory for heat and mass fluxes. Computer Methods and Programs in Biomedicine, 2020, 191, 105374.	4.7	47

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73	The influence of Hall current on the rotating oscillating flows of an Oldroyd-B fluid in a porous medium. Nonlinear Dynamics, 2007, 47, 353-362.	5.2	46
74	A note on longitudinal oscillations of a generalized Burgers fluid in cylindrical domains. Journal of Non-Newtonian Fluid Mechanics, 2010, 165, 350-361.	2.4	46
75	Transient thin film flow of nonlinear radiative Maxwell nanofluid over a rotating disk. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 1300-1305.	2.1	46
76	Impact of non-uniform heat sink/source and convective condition in radiative heat transfer to Oldroyd-B nanofluid: A revised proposed relation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 376-382.	2.1	45
77	Computational analysis of entropy generation for cross-nanofluid flow. Applied Nanoscience (Switzerland), 2020, 10, 3045-3055.	3.1	45
78	A hybrid approach to study the influence of Hall current in radiative nanofluid flow over a rotating disk. Applied Nanoscience (Switzerland), 2020, 10, 5167-5177.	3.1	45
79	Non-linear radiative bioconvection flow of cross nano-material with gyrotatic microorganisms and activation energy. International Communications in Heat and Mass Transfer, 2021, 127, 105530.	5.6	44
80	Decay of potential vortex for a viscoelastic fluid with fractional Maxwell model. Applied Mathematical Modelling, 2009, 33, 2526-2533.	4.2	43
81	Steady flow of Burgersâ€™ nanofluid over a stretching surface with heat generation/absorption. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2016, 38, 2359-2367.	1.6	43
82	Forced convective heat transfer to Sisko nanofluid past a stretching cylinder in the presence of variable thermal conductivity. Journal of Molecular Liquids, 2016, 218, 1-7.	4.9	43
83	On axisymmetric flow of Sisko fluid over a radially stretching sheet. International Journal of Non-Linear Mechanics, 2012, 47, 999-1007.	2.6	42
84	MHD Stagnation-Point Flow of a Carreau Fluid and Heat Transfer in the Presence of Convective Boundary Conditions. PLoS ONE, 2016, 11, e0157180.	2.5	42
85	Unsteady radiative stagnation point flow of MHD carreau nanofluid over expanding/contracting cylinder. International Journal of Mechanical Sciences, 2017, 130, 64-73.	6.7	42
86	Influence of non-linear thermal radiation on 2D unsteady flow of a Williamson fluid with heat source/sink. Results in Physics, 2017, 7, 3968-3975.	4.1	42
87	On non-linear flows with slip boundary condition. Zeitschrift Fur Angewandte Mathematik Und Physik, 2005, 56, 1012-1029.	1.4	41
88	Exact solution for rotating flows of a generalized Burgersâ€™ fluid in a porous space. Applied Mathematical Modelling, 2008, 32, 749-760.	4.2	41
89	Thermal radiation effects on Williamson fluid flow due to an expanding/contracting cylinder with nanomaterials: Dual solutions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 1982-1991.	2.1	41
90	Numerical interpretation of autocatalysis chemical reaction for nonlinear radiative 3D flow of cross magnetofluid. Pramana - Journal of Physics, 2019, 92, 1.	1.8	41

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91	Partial Slip Effects on the Oscillatory Flows of a Fractional Jeffrey Fluid in a Porous Medium. Journal of Porous Media, 2007, 10, 473-488.	1.9	41
92	An investigation of thermal and solutal stratification effects on mixed convection flow and heat transfer of Williamson nanofluid. Journal of Molecular Liquids, 2019, 284, 307-315.	4.9	40
93	Theoretical analysis of new mass flux theory and Arrhenius activation energy in Carreau nanofluid with magnetic influence. International Communications in Heat and Mass Transfer, 2021, 120, 105051.	5.6	40
94	Thermal conductivity performance in hybrid (SWCNTs-CuO/Ehylene glycol) nanofluid flow: Dual solutions. Ain Shams Engineering Journal, 2022, 13, 101703.	6.1	40
95	Numerical simulation for flow and heat transfer to Carreau fluid with magnetic field effect: Dual nature study. Journal of Magnetism and Magnetic Materials, 2017, 443, 13-21.	2.3	39
96	Multiple solutions for MHD transient flow of Williamson nanofluids with convective heat transport. Journal of the Taiwan Institute of Chemical Engineers, 2019, 103, 126-137.	5.3	39
97	Impacts of non-linear radiation and activation energy on the axisymmetric rotating flow of Oldroyd-B fluid. Physica A: Statistical Mechanics and Its Applications, 2021, 580, 124085.	2.6	39
98	Flow and Heat Transfer to Sisko Nanofluid over a Nonlinear Stretching Sheet. PLoS ONE, 2015, 10, e0125683.	2.5	39
99	Convective Flow of Sisko Fluid over a Bidirectional Stretching Surface. PLoS ONE, 2015, 10, e0130342.	2.5	39
100	Investigation of mixed convection flow of Carreau nanofluid over a wedge in the presence of Soret and Dufour effects. International Journal of Heat and Mass Transfer, 2019, 137, 809-822.	4.8	38
101	Influence of thermal-solutal stratifications and thermal aspects of non-linear radiation in stagnation point Oldroyd-B nanofluid flow. International Communications in Heat and Mass Transfer, 2020, 116, 104636.	5.6	38
102	The Rayleighâ€“Stokes problem for an edge in a viscoelastic fluid with a fractional derivative model. Nonlinear Analysis: Real World Applications, 2009, 10, 3190-3195.	1.7	37
103	Characteristics of melting heat transfer during flow of Carreau fluid induced by a stretching cylinder. European Physical Journal E, 2017, 40, 8.	1.6	37
104	Impact of melting heat transfer and nonlinear radiative heat flux mechanisms for the generalized Burgers fluids. Results in Physics, 2017, 7, 4025-4032.	4.1	37
105	Thermal and solutal stratifications in flow of Oldroyd-B nanofluid with variable conductivity. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	37
106	Heat transport features of magnetic waterâ€“graphene oxide nanofluid flow with thermal radiation: Stability Test. European Journal of Mechanics, B/Fluids, 2019, 76, 434-441.	2.5	37
107	Unsteady boundary layer flow of Carreau fluid over a permeable stretching surface. Results in Physics, 2016, 6, 1168-1174.	4.1	36
108	Significance of staticâ€“moving wedge for unsteady Falknerâ€“Skan forced convective flow of MHD cross fluid. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	1.6	36

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109	Thermal aspects of chemically reactive Oldroyd-B fluid flow over a rotating diskÂwith Cattaneoâ€“Christov heat flux theory. Journal of Thermal Analysis and Calorimetry, 2021, 144, 793-803.	3.6	36
110	Bioconvection and activation energy dynamisms on radiative sutterby melting nanomaterial with gyrotactic microorganism. Case Studies in Thermal Engineering, 2022, 30, 101749.	5.7	36
111	Numerically framing the impact of radiation on magnetonanoparticles for 3D Sisko fluid flow. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 4475-4487.	1.6	35
112	Non-axisymmetric Homann stagnation-point flow of Walterâ€™s B nanofluid over a cylindrical disk. Applied Mathematics and Mechanics (English Edition), 2020, 41, 725-740.	3.6	35
113	Numerical simulation of mixed convection flow and heat transfer in the lid-driven triangular cavity with different obstacle configurations. International Communications in Heat and Mass Transfer, 2021, 123, 105202.	5.6	35
114	MHD flows of a second grade fluid between two side walls perpendicular to a plate through a porous medium. International Journal of Non-Linear Mechanics, 2008, 43, 302-319.	2.6	34
115	On unsteady heat and mass transfer in Carreau nanofluid flow over expanding or contracting cylinder with convective surface conditions. Journal of Molecular Liquids, 2017, 231, 474-484.	4.9	34
116	A 3D Sisko fluid flow with Cattaneo-Christov heat flux model and heterogeneous-homogeneous reactions: A numerical study. Journal of Molecular Liquids, 2017, 238, 19-26.	4.9	34
117	Unsteady slip flow of Carreau nanofluid over a wedge with nonlinear radiation and new mass flux condition. Results in Physics, 2017, 7, 2261-2270.	4.1	34
118	Analysis of Cattaneoâ€“Christov theory for unsteady flow of Maxwell fluid over stretching cylinder. Journal of Thermal Analysis and Calorimetry, 2021, 144, 145-154.	3.6	34
119	Exact solutions of starting flows for a fractional Burgersâ€™ fluid between coaxial cylinders. Nonlinear Analysis: Real World Applications, 2009, 10, 1775-1783.	1.7	33
120	Mixed convection heat transfer to modified second grade fluid in the presence of thermal radiation. Journal of Molecular Liquids, 2016, 223, 217-223.	4.9	33
121	Cattaneo-Christov heat flux model for Sisko fluid flow past a permeable non-linearly stretching cylinder. Journal of Molecular Liquids, 2016, 222, 430-434.	4.9	33
122	An analysis of Cattaneo-Christov double-diffusion model for Sisko fluid flow with velocity slip. Results in Physics, 2017, 7, 1232-1237.	4.1	33
123	Heat transfer enhancement for Maxwell nanofluid flow subject to convective heat transport. Pramana - Journal of Physics, 2019, 92, 1.	1.8	33
124	Arrhenius activation energy theory in radiative flow of Maxwell nanofluid. Physica Scripta, 2021, 96, 045002.	2.5	33
125	Flow of Oldroyd-B fluid caused by a rotating disk featuring the Cattaneo-Christov theory with heat generation/absorption. International Communications in Heat and Mass Transfer, 2021, 123, 105179.	5.6	33
126	Magnetic Fluid Model Induced by Peristaltic Waves. Journal of the Physical Society of Japan, 2004, 73, 2142-2147.	1.6	32

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127	Radiation effects on the thermal boundary layer flow of a micropolar fluid towards a permeable stretching sheet. Journal of the Franklin Institute, 2013, 350, 194-210.	3.4	32
128	Impact of thermophoresis particle deposition on three-dimensional radiative flow of Burgers fluid. Results in Physics, 2016, 6, 829-836.	4.1	32
129	Impact of homogeneousâ€“heterogeneous reactions and non-Fourier heat flux theory in Oldroyd-B fluid with variable conductivity. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	32
130	Radiative heat flux effect in flow of Maxwell nanofluid over a spiraling disk with chemically reaction. Physica A: Statistical Mechanics and Its Applications, 2020, 551, 123948.	2.6	32
131	Thermal analysis forÂradiative flow ofÂmagnetized Maxwell fluidÂover a vertically moving rotating disk. Journal of Thermal Analysis and Calorimetry, 2021, 143, 4081-4094.	3.6	32
132	On model for three-dimensional Carreau fluid flow with Cattaneoâ€“Christov double diffusion and variable conductivity: a numerical approach. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	1.6	31
133	Rotational flow of Oldroyd-B nanofluid subject to Cattaneo-Christov double diffusion theory. Applied Mathematics and Mechanics (English Edition), 2020, 41, 1083-1094.	3.6	31
134	MHD transient flows in a channel of rectangular cross-section with porous medium. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 369, 44-54.	2.1	30
135	Some exact solutions for fractional generalized Burgersâ€™ fluid in a porous space. Nonlinear Analysis: Real World Applications, 2008, 9, 1952-1965.	1.7	30
136	Effects of magnetic field and partial slip on unsteady axisymmetric flow of Carreau nanofluid over a radially stretching surface. Results in Physics, 2017, 7, 2671-2682.	4.1	30
137	Chemically reactive flow and heat transfer of magnetite Oldroyd-B nanofluid subject to stratifications. Applied Nanoscience (Switzerland), 2018, 8, 1743-1754.	3.1	30
138	Heat sink/source and chemical reaction in stagnation pointÂflow ofÂMaxwell nanofluid. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	30
139	Boundary layer flow of Maxwell fluid due to torsional motion of cylinder: modeling and simulation. Applied Mathematics and Mechanics (English Edition), 2020, 41, 667-680.	3.6	30
140	Thermal performance of Joule heating in Oldroyd-B nanomaterials considering thermal-solutal convective conditions. Chinese Journal of Physics, 2021, 71, 444-457.	3.9	30
141	Boundary-layer flow and heat transfer of cross fluid over a stretching sheet. Thermal Science, 2019, 23, 307-318.	1.1	30
142	Carbon nanotubes based fluid flow past a moving thin needle examine through dual solutions: Stability analysis. Journal of Energy Storage, 2022, 48, 103913.	8.1	30
143	Numerical simulation for heat transfer performance in unsteady flow of Williamson fluid driven by a wedge-geometry. Results in Physics, 2018, 9, 479-485.	4.1	29
144	Numerical simulation for MHD flow of Sisko nanofluid over a moving curved surface: A revised model. Microsystem Technologies, 2019, 25, 2411-2428.	2.0	29

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145	Effectiveness of homogeneousâ€“heterogeneous reactions in Maxwell fluid flow between two spiraling disks with improved heat conduction features. Journal of Thermal Analysis and Calorimetry, 2020, 139, 3185-3195.	3.6	29
146	Thermal energy transport in Burgers nanofluid flow featuring the Cattaneoâ€“Christov double diffusion theory. Applied Nanoscience (Switzerland), 2020, 10, 5331-5342.	3.1	29
147	Unsteady flow of an Oldroyd-B fluid induced by the impulsive motion of a plate between two side walls perpendicular to the plate. Acta Mechanica, 2008, 198, 21-33.	2.1	28
148	Decay of a potential vortex in a generalized Oldroyd-B fluid. Applied Mathematics and Computation, 2008, 205, 497-506.	2.2	28
149	Investigation of dual solutions in flow of a non-Newtonian fluid with homogeneousâ€“heterogeneous reactions: Critical points. European Journal of Mechanics, B/Fluids, 2018, 68, 30-38.	2.5	28
150	Simultaneous investigation of MHD and convective phenomena on time-dependent flow of Carreau nanofluid with variable properties: Dual solutions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 2334-2342.	2.1	28
151	Unsteady Stagnation Point Flow of Maxwell Nanofluid Over Stretching Disk with Joule Heating. Arabian Journal for Science and Engineering, 2020, 45, 5529-5540.	3.0	28
152	Variable heat source in stagnation-point unsteady flow of magnetized Oldroyd-B fluid with cubic autocatalysis chemical reaction. Ain Shams Engineering Journal, 2022, 13, 101610.	6.1	28
153	Some accelerated flows for a generalized Oldroyd-B fluid. Nonlinear Analysis: Real World Applications, 2009, 10, 980-991.	1.7	27
154	Oldroyd-B fluid flow over a rotating disk subject to Soretâ€“Dufour effects and thermophoresis particle deposition. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 2408-2415.	2.1	27
155	Hall effect on flows of an Oldroyd-B fluid through porous medium for cylindrical geometries. Computers and Mathematics With Applications, 2006, 52, 269-282.	2.7	26
156	Exact solutions for some oscillating flows of a second grade fluid with a fractional derivative model. Mathematical and Computer Modelling, 2009, 49, 1519-1530.	2.0	26
157	Flow and heat transfer to modified second grade fluid over a non-linear stretching sheet. AIP Advances, 2015, 5, .	1.3	26
158	Heat and mass transport phenomena of nanoparticles on time-dependent flow of Williamson fluid towards heated surface. Neural Computing and Applications, 2020, 32, 3253-3263.	5.6	26
159	Magnetohydrodynamic thin film deposition of Carreau nanofluid over an unsteady stretchingÂsurface. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	26
160	Transient MHD flow of Maxwell nanofluid subject to non-linear thermal radiation and convective heat transport. Applied Nanoscience (Switzerland), 2020, 10, 5361-5373.	3.1	26
161	Numerical analysis of unsteady Carreau nanofluid flow with variable conductivity. Applied Nanoscience (Switzerland), 2020, 10, 3075-3084.	3.1	25
162	Stagnation point flow of magnetized Burgersâ€™ nanofluid subject to thermal radiation. Applied Nanoscience (Switzerland), 2020, 10, 5233-5246.	3.1	25

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163	A Mathematical Model of Peristalsis in Tubes through a Porous Medium. Journal of Porous Media, 2006, 9, 55-67.	1.9	25
164	Numerical investigation of magneto-nanoparticles for unsteady 3D generalized Newtonian liquid flow. European Physical Journal Plus, 2017, 132, 1.	2.6	24
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330	Convective Heat Transfer to Sisko Fluid over a Nonlinear Radially Stretching Sheet. , 0, , .		1
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