

Rabia Ellahi

List of Publications by Year in descending order

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283
papers

21,149
citations

5876

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286
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286
times ranked

4158
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of thermal radiation on magnetohydrodynamics nanofluid flow and heat transfer by means of two phase model. Journal of Magnetism and Magnetic Materials, 2015, 374, 36-43.	1.0	712
2	Three dimensional mesoscopic simulation of magnetic field effect on natural convection of nanofluid. International Journal of Heat and Mass Transfer, 2015, 89, 799-808.	2.5	561
3	The effects of MHD and temperature dependent viscosity on the flow of non-Newtonian nanofluid in a pipe: Analytical solutions. Applied Mathematical Modelling, 2013, 37, 1451-1467.	2.2	549
4	Shape effects of nanosize particles in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si45.gif" overflow="scroll" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi mathvariant="italic"} \rangle \text{Cu} \langle \text{mml:ms} \rangle \hat{\epsilon} \langle \text{mml:ms} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{H} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle$ nanofluid on entropy generation. International Journal of Heat and Mass Transfer, 2015, 81, 449-456.	2.5	362
5	Simulation of MHD CuO-water nanofluid flow and convective heat transfer considering Lorentz forces. Journal of Magnetism and Magnetic Materials, 2014, 369, 69-80.	1.0	332
6	Effect of magnetic dipole on viscous ferro-fluid past a stretching surface with thermal radiation. Journal of Molecular Liquids, 2016, 215, 549-554.	2.3	275
7	Effects of MHD on Cu-water nanofluid flow and heat transfer by means of CVFEM. Journal of Magnetism and Magnetic Materials, 2014, 349, 188-200.	1.0	254
8	Volume of fluid model to simulate the nanofluid flow and entropy generation in a single slope solar still. Renewable Energy, 2018, 115, 400-410.	4.3	253
9	Effects of Heat Transfer in Flow of Nanofluids Over a Permeable Stretching Wall in a Porous Medium. Journal of Computational and Theoretical Nanoscience, 2014, 11, 486-496.	0.4	237
10	Study of Natural Convection MHD Nanofluid by Means of Single and Multi-Walled Carbon Nanotubes Suspended in a Salt-Water Solution. IEEE Nanotechnology Magazine, 2015, 14, 726-734.	1.1	211
11	Convective radiative plane Poiseuille flow of nanofluid through porous medium with slip: An application of Stefan blowing. Journal of Molecular Liquids, 2019, 273, 292-304.	2.3	209
12	Series solutions of non-Newtonian nanofluids with Reynolds model and Vogel's model by means of the homotopy analysis method. Mathematical and Computer Modelling, 2012, 55, 1876-1891.	2.0	206
13	Influences of wavy wall and nanoparticles on entropy generation over heat exchanger plat. International Journal of Heat and Mass Transfer, 2017, 109, 1162-1171.	2.5	198
14	On boundary layer nano-ferroliquid flow under the influence of low oscillating stretchable rotating disk. Journal of Molecular Liquids, 2017, 229, 339-345.	2.3	196
15	Effects of MHD and slip on heat transfer boundary layer flow over a moving plate based on specific entropy generation. Journal of Taibah University for Science, 2018, 12, 476-482.	1.1	194
16	A study of natural convection heat transfer in a nanofluid filled enclosure with elliptic inner cylinder. International Journal of Numerical Methods for Heat and Fluid Flow, 2014, 24, 1906-1927.	1.6	192
17	Simultaneous effects of coagulation and variable magnetic field on peristaltically induced motion of Jeffrey nanofluid containing gyrotactic microorganism. Microvascular Research, 2017, 110, 32-42.	1.1	191
18	Convective heat transfer of nanofluid in a wavy channel: Buongiorno's mathematical model. Journal of Molecular Liquids, 2016, 222, 446-455.	2.3	184

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19	Convective heat transfer flow of nanofluid in a porous medium over wavy surface. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 2749-2753.	0.9	183
20	Effects of mass transfer on MHD second grade fluid towards stretching cylinder: A novel perspective of Cattaneo-Christov heat flux model. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 276-281.	0.9	183
21	Simulation of Ferrofluid Flow for Magnetic Drug Targeting Using the Lattice Boltzmann Method. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2015, 70, 115-124.	0.7	181
22	Numerical investigation of heat exchanger effectiveness in a double pipe heat exchanger filled with nanofluid: A sensitivity analysis by response surface methodology. Powder Technology, 2017, 313, 99-111.	2.1	176
23	The shape effects of nanoparticles suspended in HFE-7100 over wedge with entropy generation and mixed convection. Applied Nanoscience (Switzerland), 2016, 6, 641-651.	1.6	175
24	Analysis of activation energy in Couette-Poiseuille flow of nanofluid in the presence of chemical reaction and convective boundary conditions. Results in Physics, 2018, 8, 502-512.	2.0	167
25	Enhancement of heat transfer and heat exchanger effectiveness in a double pipe heat exchanger filled with porous media: Numerical simulation and sensitivity analysis of turbulent fluid flow. Applied Thermal Engineering, 2016, 109, 761-774.	3.0	163
26	A sensitivity analysis on thermal and pumping power for the flow of nanofluid inside a wavy channel. Journal of Molecular Liquids, 2016, 220, 1-13.	2.3	161
27	Heat and mass transfer of two-phase flow with Electric double layer effects induced due to peristaltic propulsion in the presence of transverse magnetic field. Journal of Molecular Liquids, 2017, 230, 237-246.	2.3	160
28	Simultaneous effects of nanoparticles and slip on Jeffrey fluid through tapered artery with mild stenosis. Journal of Molecular Liquids, 2016, 218, 484-493.	2.3	159
29	Study of stream wise transverse magnetic fluid flow with heat transfer around an obstacle embedded in a porous medium. Journal of Magnetism and Magnetic Materials, 2015, 378, 128-137.	1.0	158
30	Influence of induced magnetic field and heat flux with the suspension of carbon nanotubes for the peristaltic flow in a permeable channel. Journal of Magnetism and Magnetic Materials, 2015, 381, 405-415.	1.0	156
31	Aggregation effects on water base Al_2O_3 nanofluid over permeable wedge in mixed convection. Asia-Pacific Journal of Chemical Engineering, 2016, 11, 179-186.	0.8	155
32	Structural impact of kerosene- Al_2O_3 nanofluid on MHD Poiseuille flow with variable thermal conductivity: Application of cooling process. Journal of Molecular Liquids, 2018, 264, 607-615.	2.3	155
33	Electrohydrodynamic Nanofluid Hydrothermal Treatment in an Enclosure with Sinusoidal Upper Wall. Applied Sciences (Switzerland), 2015, 5, 294-306.	1.3	154
34	Optimization of mixed convection heat transfer with entropy generation in a wavy surface square lid-driven cavity by means of Taguchi approach. International Journal of Heat and Mass Transfer, 2016, 102, 544-554.	2.5	153
35	Numerical study on mixed convection of a non-Newtonian nanofluid with porous media in a square lid-driven cavity. Journal of Thermal Analysis and Calorimetry, 2020, 140, 1121-1145.	2.0	153
36	Particle shape effects on ferrofluids flow and heat transfer under influence of low oscillating magnetic field. Journal of Magnetism and Magnetic Materials, 2017, 443, 36-44.	1.0	146

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37	Peristaltic Blood Flow of Couple Stress Fluid Suspended with Nanoparticles under the Influence of Chemical Reaction and Activation Energy. <i>Symmetry</i> , 2019, 11, 276.	1.1	146
38	Effects of heat and mass transfer on peristaltic flow in a non-uniform rectangular duct. <i>International Journal of Heat and Mass Transfer</i> , 2014, 71, 706-719.	2.5	144
39	EXPLORATION OF CONVECTIVE HEAT TRANSFER AND FLOW CHARACTERISTICS SYNTHESIS BY Cu-Ag/WATER HYBRID-NANOFLUIDS. <i>Heat Transfer Research</i> , 2018, 49, 1837-1848.	0.9	144
40	Significance of nonlinear thermal radiation in 3D Eyring-Powell nanofluid flow with Arrhenius activation energy. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 929-944.	2.0	142
41	Analytical solutions for MHD flow in a third-grade fluid with variable viscosity. <i>Mathematical and Computer Modelling</i> , 2010, 52, 1783-1793.	2.0	141
42	Particle shape effects on Marangoni convection boundary layer flow of a nanofluid. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2016, 26, 2160-2174.	1.6	137
43	Numerical study of heat transfer and Hall current impact on peristaltic propulsion of particle-fluid suspension with compliant wall properties. <i>Modern Physics Letters B</i> , 2019, 33, 1950439.	1.0	136
44	Swimming of Gyrotactic Microorganism in MHD Williamson nanofluid flow between rotating circular plates embedded in porous medium: Application of thermal energy storage. <i>Journal of Energy Storage</i> , 2022, 45, 103511.	3.9	136
45	Mathematical modeling of heat and mass transfer effects on MHD peristaltic propulsion of two-phase flow through a Darcy-Brinkman-Forchheimer porous medium. <i>Advanced Powder Technology</i> , 2018, 29, 1189-1197.	2.0	131
46	Bioconvection flow of magnetized Carreau nanofluid under the influence of slip over a wedge with motile microorganisms. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 945-957.	2.0	130
47	Endoscope analysis on peristaltic blood flow of Sisko fluid with Titanium magneto-nanoparticles. <i>Computers in Biology and Medicine</i> , 2016, 78, 29-41.	3.9	129
48	Effects of wavy surface characteristics on natural convection heat transfer in a cosine corrugated square cavity filled with nanofluid. <i>International Journal of Heat and Mass Transfer</i> , 2017, 107, 1110-1118.	2.5	129
49	A hybrid investigation on numerical and analytical solutions of electro-magnetohydrodynamics flow of nanofluid through porous media with entropy generation. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2020, 30, 834-854.	1.6	128
50	Swimming of Motile Gyrotactic Microorganisms and Nanoparticles in Blood Flow Through Anisotropically Tapered Arteries. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	125
51	Numerical Simulation and Mathematical Modeling of Electro-Osmotic Couette-Poiseuille Flow of MHD Power-Law Nanofluid with Entropy Generation. <i>Symmetry</i> , 2019, 11, 1038.	1.1	124
52	EFFECTS OF MAGNETOHYDRODYNAMICS ON PERISTALTIC FLOW OF JEFFREY FLUID IN A RECTANGULAR DUCT THROUGH A POROUS MEDIUM. <i>Journal of Porous Media</i> , 2014, 17, 143-157.	1.0	122
53	Effects of different shapes of nanoparticles on peristaltic flow of MHD nanofluids filled in an asymmetric channel. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 879-890.	2.0	121
54	Effects of hall and ion slip on MHD peristaltic flow of Jeffrey fluid in a non-uniform rectangular duct. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2016, 26, 1802-1820.	1.6	120

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55	Pool boiling heat transfer characteristics of iron oxide nano-suspension under constant magnetic field. <i>International Journal of Thermal Sciences</i> , 2020, 147, 106131.	2.6	116
56	NUMERICAL STUDY OF MOMENTUM AND HEAT TRANSFER OF MHD CARREAU NANOFUID OVER AN EXPONENTIALLY STRETCHED PLATE WITH INTERNAL HEAT SOURCE/SINK AND RADIATION. <i>Heat Transfer Research</i> , 2019, 50, 649-658.	0.9	116
57	Convection of heat and thermodynamic irreversibilities in two-phase, turbulent nanofluid flows in solar heaters by corrugated absorber plates. <i>Advanced Powder Technology</i> , 2018, 29, 2243-2254.	2.0	115
58	Unsteady ferromagnetic liquid flow and heat transfer analysis over a stretching sheet with the effect of dipole and prescribed heat flux. <i>Journal of Molecular Liquids</i> , 2016, 223, 528-533.	2.3	114
59	Study of variable magnetic field on the peristaltic flow of Jeffrey fluid in a non-uniform rectangular duct having compliant walls. <i>Journal of Molecular Liquids</i> , 2016, 222, 101-108.	2.3	111
60	Effects of coagulation on the two-phase peristaltic pumping of magnetized prandtl biofluid through an endoscopic annular geometry containing a porous medium. <i>Chinese Journal of Physics</i> , 2019, 58, 222-234.	2.0	111
61	Study of Activation Energy on the Movement of Gyrotactic Microorganism in a Magnetized Nanofluids Past a Porous Plate. <i>Processes</i> , 2020, 8, 328.	1.3	110
62	Insight into the investigation of diamond (C) and Silica (SiO ₂) nanoparticles suspended in water-based hybrid nanofluid with application in solar collector. <i>Journal of Molecular Liquids</i> , 2022, 357, 119134.	2.3	110
63	Simultaneous effects of MHD and partial slip on peristaltic flow of Jeffery fluid in a rectangular duct. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 393, 284-292.	1.0	109
64	Two phase simulation and sensitivity analysis of effective parameters on combined heat transfer and pressure drop in a solar heat exchanger filled with nanofluid by RSM. <i>Journal of Molecular Liquids</i> , 2016, 220, 888-901.	2.3	109
65	Numerical study of magnetohydrodynamics generalized Couette flow of Eyring-Powell fluid with heat transfer and slip condition. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2016, 26, 1433-1445.	1.6	108
66	NON-NEWTONIAN NANOFUID FLOW THROUGH A POROUS MEDIUM BETWEEN TWO COAXIAL CYLINDERS WITH HEAT TRANSFER AND VARIABLE VISCOSITY. <i>Journal of Porous Media</i> , 2013, 16, 205-216.	1.0	108
67	Influence of Induced Magnetic Field on Free Convection of Nanofluid Considering Koo-Kleinstreuer-Li (KKL) Correlation. <i>Applied Sciences (Switzerland)</i> , 2016, 6, 324.	1.3	106
68	Hybrid nanofluid flow towards an elastic surface with tantalum and nickel nanoparticles, under the influence of an induced magnetic field. <i>European Physical Journal: Special Topics</i> , 2022, 231, 521-533.	1.2	104
69	Numerical investigation for second law analysis of ferrofluid inside a porous semi annulus. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019, 29, 1079-1102.	1.6	103
70	STUDY OF HEAT AND MASS TRANSFER IN THE EYRING-POWELL MODEL OF FLUID PROPAGATING PERISTALTICALLY THROUGH A RECTANGULAR COMPLIANT CHANNEL. <i>Heat Transfer Research</i> , 2019, 50, 1539-1560.	0.9	103
71	Interaction of nanoparticles for the peristaltic flow in an asymmetric channel with the induced magnetic field. <i>European Physical Journal Plus</i> , 2014, 129, 1.	1.2	99
72	Numerical investigation and sensitivity analysis of effective parameters on combined heat transfer performance in a porous solar cavity receiver by response surface methodology. <i>International Journal of Heat and Mass Transfer</i> , 2017, 105, 811-825.	2.5	99

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73	Blood flow of Jeffrey fluid in a catherized tapered artery with the suspension of nanoparticles. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 2973-2980.	0.9	96
74	Darcy–Forchheimer flow of nanofluid due to a curved stretching surface. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019, 29, 2-20.	1.6	95
75	Heat transfer analysis in ferromagnetic viscoelastic fluid flow over a stretching sheet with suction. <i>Neural Computing and Applications</i> , 2018, 30, 1947-1955.	3.2	94
76	On squeezed flow of couple stress nanofluid between two parallel plates. <i>Results in Physics</i> , 2017, 7, 553-561.	2.0	91
77	Effects of Radiative Electro-Magnetohydrodynamics Diminishing Internal Energy of Pressure-Driven Flow of Titanium Dioxide-Water Nanofluid due to Entropy Generation. <i>Entropy</i> , 2019, 21, 236.	1.1	91
78	Study of Two-Phase Newtonian Nanofluid Flow Hybrid with Hafnium Particles under the Effects of Slip. <i>Inventions</i> , 2020, 5, 6.	1.3	91
79	Analytical study on liquid-solid particles interaction in the presence of heat and mass transfer through a wavy channel. <i>Journal of Molecular Liquids</i> , 2018, 250, 80-87.	2.3	89
80	Magnetohydrodynamic flow of water/ethylene glycol based nanofluids with natural convection through a porous medium. <i>European Physical Journal Plus</i> , 2014, 129, 1.	1.2	88
81	On the Partition of Energies for the Backward in Time Problem of Thermoelastic Materials with a Dipolar Structure. <i>Symmetry</i> , 2019, 11, 863.	1.1	88
82	On solutions of Saint-Venant’s problem for elastic dipolar bodies with voids. <i>Carpathian Journal of Mathematics</i> , 2017, 33, 219-232.	0.4	88
83	Homogeneous-heterogeneous reactions in MHD flow of micropolar fluid by a curved stretching surface. <i>Journal of Molecular Liquids</i> , 2017, 240, 209-220.	2.3	86
84	Peristaltic Pumping of Nanofluids through a Tapered Channel in a Porous Environment: Applications in Blood Flow. <i>Symmetry</i> , 2019, 11, 868.	1.1	85
85	Electroosmotic Flow of MHD Power Law $Al^{2} O^{3}$ -PVC Nanofluid in a Horizontal Channel: Couette-Poiseuille Flow Model. <i>Communications in Theoretical Physics</i> , 2018, 69, 655.	1.1	84
86	Numerical study of unsteady flow and heat transfer CNT-based MHD nanofluid with variable viscosity over a permeable shrinking surface. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019, 29, 4607-4623.	1.6	83
87	Thermal, microrotation, electromagnetic field and nanoparticle shape effects on Cu-CuO/blood flow in microvascular vessels. <i>Microvascular Research</i> , 2020, 132, 104065.	1.1	83
88	Peristaltic transport of Jeffrey fluid in a rectangular duct through a porous medium under the effect of partial slip: An application to upgrade industrial sieves/filters. <i>Pramana - Journal of Physics</i> , 2019, 93, 1.	0.9	82
89	Numerical Investigation on the Swimming of Cyrotactic Microorganisms in Nanofluids through Porous Medium over a Stretched Surface. <i>Mathematics</i> , 2020, 8, 380.	1.1	82
90	Convective Heat Transfer and Particle Motion in an Obstructed Duct with Two Side by Side Obstacles by Means of DPM Model. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 431.	1.3	80

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91	On the decay of exponential type for the solutions in a dipolar elastic body. Journal of Taibah University for Science, 2020, 14, 534-540.	1.1	80
92	Heat transfer analysis on peristaltically induced motion of particle-fluid suspension with variable viscosity: Clot blood model. Computer Methods and Programs in Biomedicine, 2016, 137, 115-124.	2.6	79
93	Numerical study for Darcy-Forchheimer flow due to a curved stretching surface with Cattaneo-Christov heat flux and homogeneous-heterogeneous reactions. Results in Physics, 2017, 7, 2886-2892.	2.0	79
94	Blood flow of nanofluid through an artery with composite stenosis and permeable walls. Applied Nanoscience (Switzerland), 2014, 4, 919-926.	1.6	77
95	On MHD nonlinear stretching flow of Powell-Eyring nanomaterial. Results in Physics, 2017, 7, 535-543.	2.0	76
96	Thermally Charged MHD Bi-Phase Flow Coatings with Non-Newtonian Nanofluid and Hafnium Particles along Slippery Walls. Coatings, 2019, 9, 300.	1.2	76
97	Boiling heat transfer characteristics of graphene oxide nanoplatelets nano-suspensions of water-perfluorohexane (C6F14) and water-n-pentane. AEJ - Alexandria Engineering Journal, 2020, 59, 4511-4521.	3.4	76
98	Copper oxide nanoparticles analysis with water as base fluid for peristaltic flow in permeable tube with heat transfer. Computer Methods and Programs in Biomedicine, 2016, 130, 22-30.	2.6	75
99	EFFECTS OF CHEMICAL REACTION ON THIRD-GRADE MHD FLUID FLOW UNDER THE INFLUENCE OF HEAT AND MASS TRANSFER WITH VARIABLE REACTIVE INDEX. Heat Transfer Research, 2019, 50, 1061-1080.	0.9	75
100	Numerical analysis of steady non-Newtonian flows with heat transfer analysis, MHD and nonlinear slip effects. International Journal of Numerical Methods for Heat and Fluid Flow, 2012, 22, 24-38.	1.6	74
101	Effects of heat transfer on peristaltic motion of Oldroyd fluid in the presence of inclined magnetic field. Journal of Magnetism and Magnetic Materials, 2014, 372, 97-106.	1.0	74
102	Enhancement of heat transfer in peristaltic flow in a permeable channel under induced magnetic field using different CNTs. Journal of Thermal Analysis and Calorimetry, 2020, 140, 1277-1291.	2.0	73
103	Mathematical Models of Electro-Magnetohydrodynamic Multiphase Flows Synthesis with Nano-Sized Hafnium Particles. Applied Sciences (Switzerland), 2018, 8, 275.	1.3	72
104	STUDY OF PERISTALTIC FLOW OF NANOFUID WITH ENTROPY GENERATION IN A POROUS MEDIUM. Journal of Porous Media, 2017, 20, 461-478.	1.0	72
105	Peristaltic Flow of Carreau Fluid in a Rectangular Duct through a Porous Medium. Mathematical Problems in Engineering, 2012, 2012, 1-24.	0.6	71
106	The Blood Flow of Prandtl Fluid Through a Tapered Stenosed Arteries in Permeable Walls with Magnetic Field. Communications in Theoretical Physics, 2015, 63, 353-358.	1.1	71
107	Shape effect of nanosize particles in unsteady mixed convection flow of nanofluid over disk with entropy generation. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2017, 231, 871-879.	1.4	71
108	Mass transport on chemicalized fourth-grade fluid propagating peristaltically through a curved channel with magnetic effects. Journal of Molecular Liquids, 2018, 258, 186-195.	2.3	71

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109	Hydromagnetic flow of Jeffrey nanofluid due to a curved stretching surface. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 551, 124060.	1.2	71
110	Numerical study of surface radiation and combined natural convection heat transfer in a solar cavity receiver. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2017, 27, 2385-2399.	1.6	70
111	Three-dimensional flow analysis of Carreau fluid model induced by peristaltic wave in the presence of magnetic field. <i>Journal of Molecular Liquids</i> , 2017, 241, 1059-1068.	2.3	70
112	The Sustainable Characteristic of Bio-Bi-Phase Flow of Peristaltic Transport of MHD Jeffrey Fluid in the Human Body. <i>Sustainability</i> , 2018, 10, 2671.	1.6	69
113	A Mathematical Study of Non-Newtonian Micropolar Fluid in Arterial Blood Flow Through Composite Stenosis. <i>Applied Mathematics and Information Sciences</i> , 2014, 8, 1567-1573.	0.7	67
114	Joules and Newtonian heating effects on stagnation point flow over a stretching surface by means of genetic algorithm and Nelder-Mead method. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2015, 25, 665-684.	1.6	67
115	Effects of the slip boundary condition on non-Newtonian flows in a channel. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2009, 14, 1377-1384.	1.7	66
116	Effects of variable viscosity in a third grade fluid with porous medium: An analytic solution. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2009, 14, 2056-2072.	1.7	66
117	Nano fluid flow in tapering stenosed arteries with permeable walls. <i>International Journal of Thermal Sciences</i> , 2014, 85, 54-61.	2.6	65
118	Exact traveling wave solutions of fractional order Boussinesq-like equations by applying Exp-function method. <i>Results in Physics</i> , 2018, 8, 114-120.	2.0	65
119	Study of Shiny Film Coating on Multi-Fluid Flows of a Rotating Disk Suspended with Nano-Sized Silver and Gold Particles: A Comparative Analysis. <i>Coatings</i> , 2018, 8, 422.	1.2	65
120	Numerical study on bi-phase coupled stress fluid in the presence of Hafnium and metallic nanoparticles over an inclined plane. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019, 29, 2854-2869.	1.6	65
121	Peristaltic propulsion of Jeffrey nano-liquid and heat transfer through a symmetrical duct with moving walls in a porous medium. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 545, 123788.	1.2	65
122	Role of hybrid nanoparticles in thermal performance of peristaltic flow of Eyring-Powell fluid model. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 1021-1035.	2.0	63
123	Biologically inspired thermal transport on the rheology of Williamson hydromagnetic nanofluid flow with convection: an entropy analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 2187-2202.	2.0	63
124	A videographic assessment of ferrofluid during magnetic drug targeting: An application of artificial intelligence in nanomedicine. <i>Journal of Molecular Liquids</i> , 2019, 285, 47-57.	2.3	62
125	Intra-uterine particle-fluid motion through a compliant asymmetric tapered channel with heat transfer. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 2259-2267.	2.0	61
126	Series Solutions of Magnetohydrodynamic Peristaltic Flow of a Jeffrey Fluid in Eccentric Cylinders. <i>Applied Mathematics and Information Sciences</i> , 2013, 7, 1441-1449.	0.7	60

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127	Numerical study of boundary-layer flow due to a nonlinear curved stretching sheet with convective heat and mass conditions. Results in Physics, 2017, 7, 2601-2606.	2.0	60
128	Numerical investigation and optimization of mixed convection in ventilated square cavity filled with nanofluid of different inlet and outlet port. International Journal of Numerical Methods for Heat and Fluid Flow, 2017, 27, 2053-2069.	1.6	60
129	Modelling study on heated couple stress fluid peristaltically conveying gold nanoparticles through coaxial tubes: A remedy for gland tumors and arthritis. Journal of Molecular Liquids, 2018, 268, 149-155.	2.3	60
130	Blood flow of MHD non-Newtonian nanofluid with heat transfer and slip effects. International Journal of Numerical Methods for Heat and Fluid Flow, 2020, 30, 4883-4908.	1.6	60
131	Natural Convection Non-Newtonian EMHD Dissipative Flow Through a Microchannel Containing a Non-Darcy Porous Medium: Homotopy Perturbation Method Study. Qualitative Theory of Dynamical Systems, 2022, 21, .	0.8	60
132	A comparative study on magnetic and non-magnetic particles in nanofluid propagating over a wedge. Canadian Journal of Physics, 2019, 97, 277-285.	0.4	58
133	Peristaltic flow with thermal conductivity of H ₂ O + Cu nanofluid and entropy generation. Results in Physics, 2015, 5, 115-124.	2.0	57
134	Study of Fe ₃ O ₄ -water nanofluid with convective heat transfer in the presence of magnetic source. AEJ - Alexandria Engineering Journal, 2018, 57, 565-575.	3.4	55
135	Numerical investigation on bioconvection flow of Oldroyd-B nanofluid with nonlinear thermal radiation and motile microorganisms over rotating disk. Journal of Thermal Analysis and Calorimetry, 2021, 145, 523-539.	2.0	55
136	Peristaltic Flow of Couple Stress Fluid in a Non-Uniform Rectangular Duct Having Compliant Walls. Communications in Theoretical Physics, 2016, 65, 66-72.	1.1	54
137	Thermally developed peristaltic propulsion of magnetic solid particles in biorheological fluids. Indian Journal of Physics, 2018, 92, 423-430.	0.9	54
138	Nonlinear nanofluid fluid flow under the consequences of Lorentz forces and Arrhenius kinetics through a permeable surface: A robust spectral approach. Journal of the Taiwan Institute of Chemical Engineers, 2021, 124, 98-105.	2.7	54
139	Some MHD Flows of a Second Grade Fluid through the Porous Medium. Journal of Porous Media, 2008, 11, 389-400.	1.0	54
140	Convective Poiseuille flow of Al ₂ O ₃ -EG nanofluid in a porous wavy channel with thermal radiation. Neural Computing and Applications, 2018, 30, 3371-3382.	3.2	52
141	Two-Phase Couette Flow of Couple Stress Fluid with Temperature Dependent Viscosity Thermally Affected by Magnetized Moving Surface. Symmetry, 2019, 11, 647.	1.1	52
142	COMBINED POROUS AND MAGNETIC EFFECTS ON SOME FUNDAMENTAL MOTIONS OF NEWTONIAN FLUIDS OVER AN INFINITE PLATE. Journal of Porous Media, 2018, 21, 589-605.	1.0	52
143	Flow induced by non-coaxial rotation of a porous disk executing non-torsional oscillations and a second grade fluid rotating at infinity. Applied Mathematical Modelling, 2004, 28, 591-605.	2.2	50
144	Homotopy Solution for the Channel Flow of a Third Grade Fluid. Nonlinear Dynamics, 2006, 45, 55-64.	2.7	50

#	ARTICLE	IF	CITATIONS
145	Simultaneous effects of melting heat and internal heat generation in stagnation point flow of Jeffrey fluid towards a nonlinear stretching surface with variable thickness. <i>International Journal of Thermal Sciences</i> , 2018, 132, 344-354.	2.6	50
146	Modeling and simulations of CoViD-19 molecular mechanism induced by cytokines storm during SARS-CoV2 infection. <i>Journal of Molecular Liquids</i> , 2021, 327, 114863.	2.3	50
147	Sinusoidal motion of small particles through a Darcy-Brinkman-Forchheimer microchannel filled with non-Newtonian fluid under electro-osmotic forces. <i>Journal of Taibah University for Science</i> , 2021, 15, 514-529.	1.1	50
148	Analysis of steady flows in viscous fluid with heat/mass transfer and slip effects. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 6384-6390.	2.5	48
149	Flow of Viscous Nanofluid Between the Concentric Cylinders. <i>Journal of Computational and Theoretical Nanoscience</i> , 2014, 11, 646-654.	0.4	48
150	Peristaltic transport of a Carreau fluid in a compliant rectangular duct. <i>AEJ - Alexandria Engineering Journal</i> , 2014, 53, 475-484.	3.4	48
151	Dufour and Soret effects on Darcy-Forchheimer flow of second-grade fluid with the variable magnetic field and thermal conductivity. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2020, 30, 4331-4347.	1.6	48
152	THE EFFECTS OF VARIABLE VISCOSITY ON THE PERISTALTIC FLOW OF NON-NEWTONIAN FLUID THROUGH A POROUS MEDIUM IN AN INCLINED CHANNEL WITH SLIP BOUNDARY CONDITIONS. <i>Journal of Porous Media</i> , 2013, 16, 59-67.	1.0	48
153	Bionic Study of Variable Viscosity on MHD Peristaltic Flow of Pseudoplastic Fluid in an Asymmetric Channel. <i>Journal of Magnetism</i> , 2016, 21, 273-280.	0.2	48
154	Mathematical Analysis on an Asymmetrical Wavy Motion of Blood under the Influence Entropy Generation with Convective Boundary Conditions. <i>Symmetry</i> , 2020, 12, 102.	1.1	47
155	Insight in Thermally Radiative Cilia-Driven Flow of Electrically Conducting Non-Newtonian Jeffrey Fluid under the Influence of Induced Magnetic Field. <i>Mathematics</i> , 2022, 10, 2007.	1.1	47
156	Stress-jump and Continuity Interface Conditions for a Cylinder Embedded in a Porous Medium. <i>Transport in Porous Media</i> , 2015, 107, 171-186.	1.2	46
157	Stability analysis for fractional-order partial differential equations by means of space spectral time Adams-Bashforth Moulton method. <i>Numerical Methods for Partial Differential Equations</i> , 2018, 34, 19-29.	2.0	45
158	Modelling Study on Internal Energy Loss Due to Entropy Generation for Non-Darcy Poiseuille Flow of Silver-Water Nanofluid: An Application of Purification. <i>Entropy</i> , 2018, 20, 851.	1.1	45
159	HEAT TRANSFER IN MAGNETITE (Fe ₃ O ₄) NANOPARTICLES SUSPENDED IN CONVENTIONAL FLUIDS: REFRIGERANT-134A (C ₂ H ₂ F ₄), KEROSENE (C ₁₀ H ₂₂), AND WATER (H ₂ O) UNDER THE IMPACT OF DIPOLE. <i>Heat Transfer Research</i> , 2020, 51, 217-232.	0.9	45
160	Effects of Magnetohydrodynamics Flow on Multilayer Coatings of Newtonian and Non-Newtonian Fluids through Porous Inclined Rotating Channel. <i>Coatings</i> , 2022, 12, 430.	1.2	45
161	Effects of heat and mass transfer on peristaltic flow of a nanofluid between eccentric cylinders. <i>Applied Nanoscience (Switzerland)</i> , 2014, 4, 393-404.	1.6	44
162	Study of Heat Transfer with Nonlinear Thermal Radiation on Sinusoidal Motion of Magnetic Solid Particles in a Dusty Fluid. <i>Journal of Theoretical and Applied Mechanics (Bulgaria)</i> , 2016, 46, 75-94.	0.6	44

#	ARTICLE	IF	CITATIONS
163	A study of gravitational and magnetic effects on coupled stress bi-phase liquid suspended with crystal and Hafnium particles down in steep channel. <i>Journal of Molecular Liquids</i> , 2019, 286, 110898.	2.3	44
164	Thermal and mechanical design of tangential hybrid microchannel and high-conductivity inserts for cooling of disk-shaped electronic components. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 2125-2133.	2.0	43
165	A study of heat transfer in power law nanofluid. <i>Thermal Science</i> , 2016, 20, 2015-2026.	0.5	43
166	Electromagnetic Flow of SWCNT/MWCNT Suspensions in Two Immiscible Water- and Engine-Oil-Based Newtonian Fluids through Porous Media. <i>Symmetry</i> , 2022, 14, 406.	1.1	43
167	Influence of heat generation and heat flux on peristaltic flow with interacting nanoparticles. <i>European Physical Journal Plus</i> , 2014, 129, 1.	1.2	42
168	Effects of slip on the non-linear flows of a third grade fluid. <i>Nonlinear Analysis: Real World Applications</i> , 2010, 11, 139-146.	0.9	41
169	Study of magnetic and heat transfer on the peristaltic transport of a fractional second grade fluid in a vertical tube. <i>Engineering Science and Technology, an International Journal</i> , 2015, 18, 496-502.	2.0	41
170	Shape effects of spherical and nonspherical nanoparticles in mixed convection flow over a vertical stretching permeable sheet. <i>Mechanics of Advanced Materials and Structures</i> , 2017, 24, 1231-1238.	1.5	41
171	Electroosmosis modulated biomechanical transport through asymmetric microfluidics channel. <i>Indian Journal of Physics</i> , 2018, 92, 1229-1238.	0.9	41
172	UNSTEADY MAGNETOHYDRODYNAMIC NON-NEWTONIAN FLOW DUE TO NON-COAXIAL ROTATIONS OF DISK AND A FLUID AT INFINITY. <i>Chemical Engineering Communications</i> , 2007, 194, 37-49.	1.5	40
173	Exact solutions for thin film flow of a third grade fluid down an inclined plane. <i>Chaos, Solitons and Fractals</i> , 2008, 38, 1336-1341.	2.5	40
174	Peristaltic Transport of a Jeffrey Fluid with Variable Viscosity through a Porous Medium in an Asymmetric Channel. <i>Advances in Mathematical Physics</i> , 2012, 2012, 1-15.	0.4	40
175	Impulsion of induced magnetic field for Brownian motion of nanoparticles in peristalsis. <i>Applied Nanoscience (Switzerland)</i> , 2016, 6, 359-370.	1.6	40
176	Numerical experiment to examine activation energy and bi-convection Carreau nanofluid flow on an upper paraboloid porous surface: Application in solar energy. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 52, 102029.	1.7	40
177	Three dimensional peristaltic flow of Williamson fluid in a rectangular duct. <i>Indian Journal of Physics</i> , 2013, 87, 1275-1281.	0.9	39
178	Special Issue on Recent Developments of Nanofluids. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 192.	1.3	39
179	HALL EFFECTS ON UNSTEADY FLOW DUE TO NON-COAXIALLY ROTATING DISK AND A FLUID AT INFINITY. <i>Chemical Engineering Communications</i> , 2008, 195, 958-976.	1.5	38
180	A theoretical study of Prandtl nanofluid in a rectangular duct through peristaltic transport. <i>Applied Nanoscience (Switzerland)</i> , 2014, 4, 753-760.	1.6	38

#	ARTICLE	IF	CITATIONS
181	Stagnation-point flow of second grade nanofluid towards a nonlinear stretching surface with variable thickness. Results in Physics, 2017, 7, 2821-2830.	2.0	38
182	On bio-convection thermal radiation in Darcy – Forchheimer flow of nanofluid with gyrotactic motile microorganism under Wu’s slip over stretching cylinder/plate. International Journal of Numerical Methods for Heat and Fluid Flow, 2021, 31, 1520-1546.	1.6	38
183	Influence of Heat and Mass Transfer on Micropolar Fluid of Blood Flow Through a Tapered Stenosed Arteries with Permeable Walls. Journal of Computational and Theoretical Nanoscience, 2014, 11, 1156-1163.	0.4	37
184	Extracting new solitary wave solutions of Benny–Luke equation and Phi-4 equation of fractional order by using (G ² /G)-expansion method. Optical and Quantum Electronics, 2017, 49, 1.	1.5	37
185	The influence of variable viscosity and viscous dissipation on the non-Newtonian flow: An analytical solution. Communications in Nonlinear Science and Numerical Simulation, 2007, 12, 300-313.	1.7	36
186	Heat transfer with thermal radiation on MHD particle–fluid suspension induced by metachronal wave. Pramana - Journal of Physics, 2017, 89, 1.	0.9	35
187	Analysis of natural convective flow of non-Newtonian fluid under the effects of nanoparticles of different materials. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2019, 233, 643-652.	1.4	35
188	Unsteady periodic flows lows of a magnetohydrodynamic fluid due to noncoaxial rotations of a porous disk and a fluid at infinity. Mathematical and Computer Modelling, 2004, 40, 173-179.	2.0	34
189	Series Solutions for Nonlinear Partial Differential Equations with Slip Boundary Conditions for non-Newtonian MHD Fluid in Porous Space. Applied Mathematics and Information Sciences, 2013, 7, 257-265.	0.7	34
190	Endoscopic Effects with Entropy Generation Analysis in Peristalsis for the Thermal Conductivity of Nanofluid. Journal of Applied Fluid Mechanics, 2016, 9, 1721-1730.	0.4	34
191	Thin film flow of non-Newtonian MHD fluid on a vertically moving belt. International Journal for Numerical Methods in Fluids, 2011, 66, 1409-1419.	0.9	33
192	Series solution of unsteady peristaltic flow of a Carreau fluid in eccentric cylinders. Ain Shams Engineering Journal, 2014, 5, 293-304.	3.5	33
193	Hydrodynamics Interactions of Metachronal Waves on Particulate-Liquid Motion through a Ciliated Annulus: Application of Bio-Engineering in Blood Clotting and Endoscopy. Symmetry, 2020, 12, 532.	1.1	33
194	Hall Effect on Falkner–Skan Boundary Layer Flow of FENE-P Fluid over a Stretching Sheet. Communications in Theoretical Physics, 2016, 66, 547-554.	1.1	32
195	Boundary layer flow due to a nonlinear stretching curved surface with convective boundary condition and homogeneous-heterogeneous reactions. Physica A: Statistical Mechanics and Its Applications, 2020, 551, 123996.	1.2	32
196	Natural convection nanofluid flow with heat transfer analysis of carbon nanotubes–water nanofluid inside a vertical truncated wavy cone. Mathematical Methods in the Applied Sciences, 2023, 46, 11303-11321.	1.2	32
197	Buoyancy Driven Flow with Gas-Liquid Coatings of Peristaltic Bubbly Flow in Elastic Walls. Coatings, 2020, 10, 115.	1.2	30
198	Mathematical model for the peristaltic flow of Jeffrey fluid with nanoparticles phenomenon through a rectangular duct. Applied Nanoscience (Switzerland), 2014, 4, 613-624.	1.6	29

#	ARTICLE	IF	CITATIONS
199	Electromagnetohydrodynamic (EMHD) peristaltic flow of solid particles in a third-grade fluid with heat transfer. <i>Mechanics and Industry</i> , 2017, 18, 314.	0.5	28
200	Non-uniform pumping flow model for the couple stress particle-fluid under magnetic effects. <i>Chemical Engineering Communications</i> , 2022, 209, 1058-1069.	1.5	28
201	Chemical reaction and heat transfer on boundary layer Maxwell Ferro-fluid flow under magnetic dipole with Soret and suction effects. <i>Engineering Science and Technology, an International Journal</i> , 2017, 20, 1122-1128.	2.0	27
202	Exact solution of a thin film flow of an Oldroyd 6-constant fluid over a moving belt. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2009, 14, 133-139.	1.7	26
203	ANALYSIS OF SOME MAGNETOHYDRODYNAMIC FLOWS OF THIRD-ORDER FLUID SATURATING POROUS SPACE. <i>Journal of Porous Media</i> , 2015, 18, 89-98.	1.0	26
204	Study of peristaltic flow of magnetohydrodynamics Walter's B fluid with slip and heat transfer. <i>Scientia Iranica</i> , 2016, 23, 2650-2662.	0.3	26
205	On the analytic solution of nonlinear flow problem involving Oldroyd 8-constant fluid. <i>Mathematical and Computer Modelling</i> , 2008, 48, 1191-1200.	2.0	25
206	The influence of wall flexibility on unsteady peristaltic flow of Prandtl fluid in a three dimensional rectangular duct. <i>Applied Mathematics and Computation</i> , 2014, 241, 389-400.	1.4	25
207	Evacuating liquid coatings from a diffusive oblique fin in micro-/mini-channels. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 255-263.	2.0	25
208	Exact Solutions of Flows of an Oldroyd 8-Constant Fluid with Nonlinear Slip Conditions. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2010, 65, 1081-1086.	0.7	24
209	The Study of Peristaltic Motion of Third Grade Fluid under the Effects of Hall Current and Heat Transfer. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2015, 70, 281-293.	0.7	24
210	Heat transfer and inclined magnetic field analysis on peristaltically induced motion of small particles. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2017, 39, 3259-3267.	0.8	24
211	On the fractional-order model of HIV-1 infection of CD4 ⁺ T-cells under the influence of antiviral drug treatment. <i>Journal of Taibah University for Science</i> , 2020, 14, 50-59.	1.1	24
212	Thermal and concentration convection in nanofluids for peristaltic flow of magneto couple stress fluid in a nonuniform channel. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 2203.	2.0	24
213	Entropy Analysis for Cilia-Generated Motion of Cu-Blood Flow of Nanofluid in an Annulus. <i>Symmetry</i> , 2021, 13, 2358.	1.1	24
214	Analytical Solutions of Unsteady Blood Flow of Jeffery Fluid Through Stenosed Arteries with Permeable Walls. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2013, 68, 489-498.	0.7	23
215	Exact Solution for Peristaltic Flow of Jeffrey Fluid Model in a Three Dimensional Rectangular Duct having Slip at the Walls. <i>Applied Bionics and Biomechanics</i> , 2014, 11, 81-90.	0.5	23
216	Simulating phase change during the droplet deformation and impact on a wet surface in a square microchannel: An application of oil drops collision. <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	23

#	ARTICLE	IF	CITATIONS
217	Mathematical Analysis of Maxwell Fluid Flow through a Porous Plate Channel Induced by a Constantly Accelerating or Oscillating Wall. <i>Mathematics</i> , 2021, 9, 90.	1.1	23
218	A study on the mixed convection boundary layer flow and heat transfer over a vertical slender cylinder. <i>Thermal Science</i> , 2014, 18, 1247-1258.	0.5	22
219	Influence of heat transfer on MHD Carreau fluid flow due to motile cilia in a channel. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 2317-2326.	2.0	22
220	Oxytactic Microorganisms and Thermo-Bioconvection Nanofluid Flow Over a Porous Riga Plate with Darcy-Brinkman-Forchheimer Medium. <i>Journal of Non-Equilibrium Thermodynamics</i> , 2020, 45, 257-268.	2.4	22
221	The Analytical Solutions for Magnetohydrodynamic Flow of a Third Order Fluid in a Porous Medium. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2009, 64, 531-539.	0.7	21
222	Exact solutions for flows of an Oldroyd 8-constant fluid with nonlinear slip conditions. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2010, 15, 322-330.	1.7	21
223	A study on the effect of magnetic field and the sinusoidal boundary condition on free convective heat transfer of non-Newtonian power-law fluid in a square enclosure with two constant-temperature obstacles using lattice Boltzmann method. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 2557-2573.	2.0	21
224	Mixed convection flow and heat transfer in ferromagnetic fluid over a stretching sheet with partial slip effects. <i>Thermal Science</i> , 2018, 22, 2515-2526.	0.5	21
225	Cu-Water Nanofluid Magnetohydrodynamic Natural Convection inside a Sinusoidal Annulus in Presence of Melting Heat Transfer. <i>Mathematical Problems in Engineering</i> , 2017, 2017, 1-9.	0.6	20
226	Dufour, Soret and radiation effects with magnetic dipole on Powell-Eyring fluid flow over a stretching sheet. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2021, 31, 1085-1103.	1.6	20
227	Heat transmission in Darcy-Forchheimer flow of Sutterby nanofluid containing gyrotactic microorganisms. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2023, 33, 135-152.	1.6	20
228	MHD unsteady flows due to non-coaxial rotations of a disk and a fluid at infinity. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2003, 19, 235-240.	1.5	18
229	Analytic solutions for MHD flow in an annulus. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2010, 15, 1224-1227.	1.7	18
230	Series solutions for magnetohydrodynamic flow of non-Newtonian nanofluid and heat transfer in coaxial porous cylinder with slip conditions. <i>Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems</i> , 2011, 225, 123-132.	0.1	18
231	Shock waves in a Z-pinch and the formation of high energy density plasma. <i>Physics of Plasmas</i> , 2012, 19, .	0.7	18
232	Heat transfer analysis of tangent hyperbolic nanofluid in a ciliated tube with entropy generation. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 2337.	2.0	18
233	On comparison of exact and series solutions for thin film flow of a third-grade fluid. <i>International Journal for Numerical Methods in Fluids</i> , 2009, 61, 987-994.	0.9	17
234	Numerical Results of a Flow in a Third Grade Fluid between Two Porous Walls. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2009, 64, 59-64.	0.7	17

#	ARTICLE	IF	CITATIONS
235	On comparison of series and numerical solutions for second Painlevé equation. Numerical Methods for Partial Differential Equations, 2010, 26, 1070-1078.	2.0	17
236	Peristaltic flow of a Jeffrey fluid in a rectangular duct having compliant walls. Chemical Industry and Chemical Engineering Quarterly, 2013, 19, 399-409.	0.4	17
237	The Thermodynamics, Stability, Applications and Techniques of Differential Type: A Review. Reviews in Theoretical Science, 2014, 2, 116-123.	0.5	17
238	Effects of Heat Transfer and Nonlinear Slip on the Steady Flow of Couette Fluid by Means of Chebyshev Spectral Method. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2014, 69, 1-8.	0.7	16
239	Peristaltic Flow of Viscous Fluid in a Rectangular Duct with Compliant Walls. Computational Mathematics and Modeling, 2014, 25, 404-415.	0.2	16
240	Influence of a Partial Slip on Flows of a Second Grade Fluid in a Porous Medium. Journal of Porous Media, 2007, 10, 797-805.	1.0	16
241	Generalized Couette Flow of a Third-Grade Fluid with Slip: The Exact Solutions. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2010, 65, 1071-1076.	0.7	14
242	Numerical and analytical solutions of an Oldroyd δ constant MHD fluid with nonlinear slip conditions. International Journal for Numerical Methods in Fluids, 2011, 67, 1234-1246.	0.9	14
243	A Study on the Convergence of Series Solution of Non-Newtonian Third Grade Fluid with Variable Viscosity: By Means of Homotopy Analysis Method. Advances in Mathematical Physics, 2012, 2012, 1-11.	0.4	14
244	THREE-DIMENSIONAL PERISTALTIC FLOW OF A WILLIAMSON FLUID IN A RECTANGULAR CHANNEL HAVING COMPLIANT WALLS. Journal of Mechanics in Medicine and Biology, 2014, 14, 1450002.	0.3	14
245	Mathematical model for the peristaltic flow of nanofluid through eccentric tubes comprising porous medium. Applied Nanoscience (Switzerland), 2014, 4, 733-743.	1.6	14
246	CNT suspended CuO+H ₂ O nano fluid and energy analysis for the peristaltic flow in a permeable channel. AEJ - Alexandria Engineering Journal, 2015, 54, 623-633.	3.4	14
247	Simulation of cavitation of spherically shaped hydrogen bubbles through a tube nozzle with stenosis. International Journal of Numerical Methods for Heat and Fluid Flow, 2020, 30, 2535-2549.	1.6	14
248	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.	1.2	14
249	Significance of induced magnetic field and variable thermal conductivity on stagnation point flow of second grade fluid. Journal of Central South University, 2021, 28, 3381-3390.	1.2	14
250	Heat and Mass Transfer Analysis of Peristaltic Flow of Nanofluid in a Vertical Rectangular Duct by Using the Optimized Series Solution and Genetic Algorithm. Journal of Computational and Theoretical Nanoscience, 2014, 11, 1133-1149.	0.4	13
251	Recent Advances in the Application of Differential Equations in Mechanical Engineering Problems. Mathematical Problems in Engineering, 2018, 2018, 1-3.	0.6	13
252	Thermal and concentration analysis of Phan-Thien-Tanner fluid flow due to ciliary movement in a peripheral layer. Journal of Central South University, 2021, 28, 3327-3339.	1.2	13

#	ARTICLE	IF	CITATIONS
253	Exact Solution of Oscillatory Rotating Flows of a Generalized Oldroyd-B Fluid through Porous Medium. <i>Journal of Porous Media</i> , 2009, 12, 777-788.	1.0	12
254	Series solution of unsteady peristaltic flow of a Carreau fluid in small intestines. <i>International Journal of Biomathematics</i> , 2014, 07, 1450049.	1.5	11
255	Effects of the wall properties on unsteady peristaltic flow of an Eyring-Powell fluid in a three-dimensional rectangular duct. <i>International Journal of Biomathematics</i> , 2015, 08, 1550081.	1.5	11
256	Numerical investigation on activation energy of chemically reactive heat transfer unsteady flow with multiple slips. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2020, 30, 4955-4977.	1.6	11
257	ANTI-BACTERIAL APPLICATIONS FOR NEW THERMAL CONDUCTIVITY MODEL IN ARTERIES WITH CNT SUSPENDED NANOFLUID. <i>Journal of Mechanics in Medicine and Biology</i> , 2016, 16, 1650063.	0.3	10
258	Exact solutions for Couette and Poiseuille flows for fourth grade fluids. <i>Acta Mechanica</i> , 2007, 188, 69-78.	1.1	9
259	A study of pressure distribution for a slider bearing lubricated with a second-grade fluid. <i>Numerical Methods for Partial Differential Equations</i> , 2011, 27, 1231-1241.	2.0	9
260	Blood flow study of Williamson fluid through stenosed arteries with permeable walls. <i>European Physical Journal Plus</i> , 2014, 129, 1.	1.2	9
261	Numerical investigation of heat and mass transfer flow under the influence of silicon carbide by means of plasma-enhanced chemical vapor deposition vertical reactor. <i>Neural Computing and Applications</i> , 2018, 30, 3721-3731.	3.2	9
262	Recent Trends in Coatings and Thin Film: Modeling and Application. <i>Coatings</i> , 2020, 10, 777.	1.2	9
263	Transport of Jeffrey fluid in a rectangular slit of the microchannel under the effect of uniform reabsorption and a porous medium. <i>Communications in Theoretical Physics</i> , 2021, 73, 115003.	1.1	9
264	Couette Flow of a Burgers' Fluid with Rotation. <i>International Journal of Fluid Mechanics Research</i> , 2007, 34, 548-561.	0.4	9
265	Effect of heat transfer on a third grade fluid in a flat channel. <i>International Journal for Numerical Methods in Fluids</i> , 2010, 63, 847-859.	0.9	8
266	Fundamental flows with nonlinear slip conditions: exact solutions. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2010, 61, 877-888.	0.7	8
267	Analytical Solutions of Upper Convected Maxwell Fluid with Exponential Dependence of Viscosity under the Influence of Pressure. <i>Mathematics</i> , 2021, 9, 334.	1.1	8
268	A semigroup of contractions in elasticity of porous bodies. <i>Continuum Mechanics and Thermodynamics</i> , 2021, 33, 2027-2037.	1.4	8
269	Concentration gradients of turbulent flows of viscous fluid in a multi-chambered reactor: Application of solar energy system in oil industry. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 45, 101140.	1.7	8
270	The influence of Hall current in a circular duct. <i>Nonlinear Analysis: Real World Applications</i> , 2010, 11, 184-189.	0.9	7

#	ARTICLE	IF	CITATIONS
271	Exact Solutions on MHD Flow Past an Accelerated Porous Plate in a Rotating Frame. Chinese Physics Letters, 2011, 28, 054701.	1.3	6
272	Mechanisms of Different Nanoclusters in Nanobased Fluids with Natural Convection and Variable surface. Mathematical Sciences Letters, 2016, 5, 1-7.	0.7	6
273	How do artificial bacteria behave in magnetized nanofluid with variable thermal conductivity: application of tumor reduction and cancer cells destruction. International Journal of Numerical Methods for Heat and Fluid Flow, 2022, 32, 2982-3006.	1.6	6
274	A uniqueness result for final boundary value problem of microstretch bodies. Journal of Nonlinear Science and Applications, 2017, 10, 1908-1918.	0.4	4
275	Electro-magneto-hydrodynamic Eyring-Powell fluid flow through micro-parallel plates with heat transfer and non-Darcian effects. Mathematical Methods in the Applied Sciences, 2023, 46, 11642-11656.	1.2	4
276	Factors important to psychiatrists when prescribing depot antipsychotics. Progress in Neurology and Psychiatry, 2016, 20, 16-20.	0.4	3
277	Special Issue on Symmetry and Fluid Mechanics. Symmetry, 2020, 12, 281.	1.1	2
278	Thermal management. Journal of Thermal Analysis and Calorimetry, 2021, 143, 1811-1814.	2.0	2
279	Analytical Solution for Non-Newtonian Nanofluid with Heat Transfer and Nonlinear Partial Slip Boundary Conditions by Means of Optimal Homotopic Asymptotic Method. Advanced Science, Engineering and Medicine, 2013, 5, 744-751.	0.3	2
280	Interrater Reliability of 2 Definitions of Seizure Adequacy in Electroconvulsive Therapy. Journal of ECT, 2013, 29, 21-24.	0.3	0
281	Serotonin syndrome – 100 words. British Journal of Psychiatry, 2015, 207, 298-298.	1.7	0
282	Recent Advances in Mathematical Aspects of Engineering. Symmetry, 2021, 13, 811.	1.1	0
283	Effects of MHD and Porosity on the Flow of Third Grade Fluid in a Pipe by Means of Reynolds' and Vogel's Models. Advanced Science, Engineering and Medicine, 2013, 5, 736-743.	0.3	0