

Ahmad zeeshan

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Shape effects of nanosize particles in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si45.gif" overflow="scroll" \rangle \langle \text{mml:mrow} \langle \text{mml:mi mathvariant="italic" \rangle Cu \langle \text{mml:ms} \rangle \hat{\epsilon} \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \rangle H \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \langle \text{mml:mrow} \rangle \rangle \rangle \rangle$ nanofluid on entropy generation. International Journal of Heat and Mass Transfer, 2015, 81, 449-456.	4.8	362
2	Simulation of MHD CuO-water nanofluid flow and convective heat transfer considering Lorentz forces. Journal of Magnetism and Magnetic Materials, 2014, 369, 69-80.	2.3	332
3	Effect of magnetic dipole on viscous ferro-fluid past a stretching surface with thermal radiation. Journal of Molecular Liquids, 2016, 215, 549-554.	4.9	275
4	Analysis of flow and heat transfer in water based nanofluid due to magnetic field in a porous enclosure with constant heat flux using CVFEM. Computer Methods in Applied Mechanics and Engineering, 2017, 320, 68-81.	6.6	212
5	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.	2.0	211
6	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.	4.9	209
7	Simultaneous effects of coagulation and variable magnetic field on peristaltically induced motion of Jeffrey nanofluid containing gyrotactic microorganism. Microvascular Research, 2017, 110, 32-42.	2.5	191
8	Convective heat transfer of nanofluid in a wavy channel: Buongiorno's mathematical model. Journal of Molecular Liquids, 2016, 222, 446-455.	4.9	184
9	The shape effects of nanoparticles suspended in HFE-7100 over wedge with entropy generation and mixed convection. Applied Nanoscience (Switzerland), 2016, 6, 641-651.	3.1	175
10	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.	4.1	167
11	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.	4.9	160
12	Aggregation effects on water base $\langle \text{scp} \rangle Al \langle \text{sub} \rangle 2 \langle \text{sub} \rangle O \langle \text{sub} \rangle 3 \langle \text{sub} \rangle \langle \text{scp} \rangle \hat{\epsilon}$ nanofluid over permeable wedge in mixed convection. Asia-Pacific Journal of Chemical Engineering, 2016, 11, 179-186.	1.5	155
13	Structural impact of kerosene-Al ₂ O ₃ nanoliquid on MHD Poiseuille flow with variable thermal conductivity: Application of cooling process. Journal of Molecular Liquids, 2018, 264, 607-615.	4.9	155
14	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.	2.3	146
15	Peristaltic Blood Flow of Couple Stress Fluid Suspended with Nanoparticles under the Influence of Chemical Reaction and Activation Energy. Symmetry, 2019, 11, 276.	2.2	146
16	Particle shape effects on Marangoni convection boundary layer flow of a nanofluid. International Journal of Numerical Methods for Heat and Fluid Flow, 2016, 26, 2160-2174.	2.8	137
17	Numerical study of heat transfer and Hall current impact on peristaltic propulsion of particle-fluid suspension with compliant wall properties. Modern Physics Letters B, 2019, 33, 1950439.	1.9	136
18	Swimming of Gyrotactic Microorganism in MHD Williamson nanofluid flow between rotating circular plates embedded in porous medium: Application of thermal energy storage. Journal of Energy Storage, 2022, 45, 103511.	8.1	136

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19	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.	4.1	131
20	Endoscope analysis on peristaltic blood flow of Sisko fluid with Titanium magneto-nanoparticles. <i>Computers in Biology and Medicine</i> , 2016, 78, 29-41.	7.0	129
21	Swimming of Motile Gyrotactic Microorganisms and Nanoparticles in Blood Flow Through Anisotropically Tapered Arteries. <i>Frontiers in Physics</i> , 2020, 8, .	2.1	125
22	Heat transfer enhancement in hydromagnetic alumina-copper/water hybrid nanofluid flow over a stretching cylinder. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 1127-1136.	3.6	115
23	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.	4.9	114
24	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.	4.9	111
25	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.	3.9	111
26	NON-NEWTONIAN NANOFLUID 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.	1.9	108
27	Heat transfer analysis in ferromagnetic viscoelastic fluid flow over a stretching sheet with suction. <i>Neural Computing and Applications</i> , 2018, 30, 1947-1955.	5.6	94
28	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.	2.2	91
29	Effects of magnetic Reynolds number on swimming of gyrotactic microorganisms between rotating circular plates filled with nanofluids. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2020, 41, 637-654.	3.6	91
30	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.	4.9	89
31	Magnetohydrodynamic flow of water/ethylene glycol based nanofluids with natural convection through a porous medium. <i>European Physical Journal Plus</i> , 2014, 129, 1.	2.6	88
32	Electroosmotic Flow of MHD Power Law Al_2O_3 -PVC Nanofluid in a Horizontal Channel: Couette-Poiseuille Flow Model. <i>Communications in Theoretical Physics</i> , 2018, 69, 655.	2.5	84
33	Editorial: Recent Trends in Computational Fluid Dynamics. <i>Frontiers in Physics</i> , 2020, 8, .	2.1	80
34	Heat transfer analysis on peristaltically induced motion of particle-fluid suspension with variable viscosity: Clot blood model. <i>Computer Methods and Programs in Biomedicine</i> , 2016, 137, 115-124.	4.7	79
35	Slip effects and endoscopy analysis on blood flow of particle-fluid suspension induced by peristaltic wave. <i>Journal of Molecular Liquids</i> , 2016, 218, 240-245.	4.9	78
36	Thermally Charged MHD Bi-Phase Flow Coatings with Non-Newtonian Nanofluid and Hafnium Particles along Slippery Walls. <i>Coatings</i> , 2019, 9, 300.	2.6	76

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37	Thermal analysis of peristaltic flow of nanosized particles within a curved channel with second-order partial slip and porous medium. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 1997-2009.	3.6	73
38	Mathematical Models of Electro-Magnetohydrodynamic Multiphase Flows Synthesis with Nano-Sized Hafnium Particles. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 275.	2.5	72
39	Shape effect of nanosize particles in unsteady mixed convection flow of nanofluid over disk with entropy generation. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2017, 231, 871-879.	2.5	71
40	Entropy Analysis on Electro-Kinetically Modulated Peristaltic Propulsion of Magnetized Nanofluid Flow through a Microchannel. <i>Entropy</i> , 2017, 19, 481.	2.2	70
41	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.	3.2	69
42	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.	2.8	67
43	Effects of Double Diffusion Convection on Third Grade Nanofluid through a Curved Compliant Peristaltic Channel. <i>Coatings</i> , 2020, 10, 154.	2.6	67
44	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.	2.6	65
45	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.	2.8	65
46	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.	2.6	65
47	Heat transfer analysis of Jeffery fluid flow over a stretching sheet with suction/injection and magnetic dipole effect. <i>AEJ - Alexandria Engineering Journal</i> , 2016, 55, 2171-2181.	6.4	63
48	Mathematical modelling of nonlinear thermal radiation effects on EMHD peristaltic pumping of viscoelastic dusty fluid through a porous medium duct. <i>Engineering Science and Technology, an International Journal</i> , 2017, 20, 1129-1139.	3.2	62
49	Modelling study on heated couple stress fluid peristaltically conveying gold nanoparticles through coaxial tubes: A remedy for gland tumors and arthritis. <i>Journal of Molecular Liquids</i> , 2018, 268, 149-155.	4.9	60
50	Metachronal propulsion of a magnetised particle-fluid suspension in a ciliated channel with heat and mass transfer. <i>Physica Scripta</i> , 2019, 94, 115301.	2.5	59
51	A comparative study on magnetic and non-magnetic particles in nanofluid propagating over a wedge. <i>Canadian Journal of Physics</i> , 2019, 97, 277-285.	1.1	58
52	Thermally developed peristaltic propulsion of magnetic solid particles in biorheological fluids. <i>Indian Journal of Physics</i> , 2018, 92, 423-430.	1.8	54
53	Analysis of Arrhenius Kinetics on Multiphase Flow between a Pair of Rotating Circular Plates. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-17.	1.1	54
54	Flow analysis of biconvective heat and mass transfer of two-dimensional couple stress fluid over a paraboloid of revolution. <i>International Journal of Modern Physics B</i> , 2020, 34, 2050110.	2.0	54

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55	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.	5.6	52
56	Effects of iron nanoparticlesâ€™ shape on convective flow of ferrofluid under highly oscillating magnetic field over stretchable rotating disk. Journal of Magnetism and Magnetic Materials, 2018, 465, 531-539.	2.3	52
57	Two-Phase Couette Flow of Couple Stress Fluid with Temperature Dependent Viscosity Thermally Affected by Magnetized Moving Surface. Symmetry, 2019, 11, 647.	2.2	52
58	Sinusoidal motion of small particles through a Darcy-Brinkman-Forchheimer microchannel filled with non-Newtonian fluid under electro-osmotic forces. Journal of Taibah University for Science, 2021, 15, 514-529.	2.5	50
59	Flow of Viscous Nanofluid Between the Concentric Cylinders. Journal of Computational and Theoretical Nanoscience, 2014, 11, 646-654.	0.4	48
60	Numerical simulation of Fe ₃ O ₄ -water nanofluid flow in a non-Darcy porous media. International Journal of Numerical Methods for Heat and Fluid Flow, 2018, 28, 641-660.	2.8	47
61	Mathematical Analysis on an Asymmetrical Wavy Motion of Blood under the Influence Entropy Generation with Convective Boundary Conditions. Symmetry, 2020, 12, 102.	2.2	47
62	Modelling Study on Internal Energy Loss Due to Entropy Generation for Non-Darcy Poiseuille Flow of Silver-Water Nanofluid: An Application of Purification. Entropy, 2018, 20, 851.	2.2	45
63	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. Heat Transfer Research, 2020, 51, 217-232.	1.6	45
64	Effects of Magneto hydrodynamics Flow on Multilayer Coatings of Newtonian and Non-Newtonian Fluids through Porous Inclined Rotating Channel. Coatings, 2022, 12, 430.	2.6	45
65	Study of Heat Transfer with Nonlinear Thermal Radiation on Sinusoidal Motion of Magnetic Solid Particles in a Dusty Fluid. Journal of Theoretical and Applied Mechanics (Bulgaria), 2016, 46, 75-94.	0.0	44
66	A study of gravitational and magnetic effects on coupled stress bi-phase liquid suspended with crystal and Hafnium particles down in steep channel. Journal of Molecular Liquids, 2019, 286, 110898.	4.9	44
67	Numerical analysis of hydromagnetic transport of Casson nanofluid over permeable linearly stretched cylinder with Arrhenius activation energy. International Communications in Heat and Mass Transfer, 2022, 130, 105736.	5.6	44
68	Analytic study of heat transfer with variable viscosity on solid particle motion in dusty Jeffery fluid. Modern Physics Letters B, 2016, 30, 1650196.	1.9	43
69	Thermal and mechanical design of tangential hybrid microchannel and high-conductivity inserts for cooling of disk-shaped electronic components. Journal of Thermal Analysis and Calorimetry, 2021, 143, 2125-2133.	3.6	43
70	A study of heat transfer in power law nanofluid. Thermal Science, 2016, 20, 2015-2026.	1.1	43
71	Electromagnetic Flow of SWCNT/MWCNT Suspensions in Two Immiscible Water- and Engine-Oil-Based Newtonian Fluids through Porous Media. Symmetry, 2022, 14, 406.	2.2	43
72	Shape effects of spherical and nonspherical nanoparticles in mixed convection flow over a vertical stretching permeable sheet. Mechanics of Advanced Materials and Structures, 2017, 24, 1231-1238.	2.6	41

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73	Numerical investigation of MHD radiative heat and mass transfer of nanofluid flow towards a vertical wavy surface with viscous dissipation and Joule heating effects using Keller-box method. <i>Mathematics and Computers in Simulation</i> , 2021, 190, 1080-1109.	4.4	40
74	Energy analysis of non-Newtonian nanofluid flow over parabola of revolution on the horizontal surface with catalytic chemical reaction. <i>Heat Transfer</i> , 2021, 50, 6189-6209.	3.0	39
75	Entropy generation and MHD analysis of a nanofluid with peristaltic three dimensional cylindrical enclosures. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2021, 31, 2698-2714.	2.8	36
76	Heat transfer with thermal radiation on MHD particle-fluid suspension induced by metachronal wave. <i>Pramana - Journal of Physics</i> , 2017, 89, 1.	1.8	35
77	Analysis of activation energy in magnetohydrodynamic flow with chemical reaction and second order momentum slip model. <i>Case Studies in Thermal Engineering</i> , 2018, 12, 765-773.	5.7	35
78	Analysis of natural convective flow of non-Newtonian fluid under the effects of nanoparticles of different materials. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2019, 233, 643-652.	2.5	35
79	Numerical investigation of the unsteady solid-particle flow of a tangent hyperbolic fluid with variable thermal conductivity and convective boundary. <i>European Physical Journal Plus</i> , 2019, 134, 1.	2.6	35
80	Insight into the Dynamics of Oldroyd-B Fluid Over an Upper Horizontal Surface of a Paraboloid of Revolution Subject to Chemical Reaction Dependent on the First-Order Activation Energy. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 6039-6048.	3.0	35
81	Series Solutions for Nonlinear Partial Differential Equations with Slip Boundary Conditions for non-Newtonian MHD Fluid in Porous Space. <i>Applied Mathematics and Information Sciences</i> , 2013, 7, 257-265.	0.5	34
82	HEAT AND MASS TRANSFER ANALYSIS ON PERISTALTIC FLOW OF PARTICLE-FLUID SUSPENSION WITH SLIP EFFECTS. <i>Journal of Mechanics in Medicine and Biology</i> , 2017, 17, 1750028.	0.7	33
83	Mathematical study of peristaltic propulsion of solid-liquid multiphase flow with a biorheological fluid as the base fluid in a duct. <i>Chinese Journal of Physics</i> , 2017, 55, 1596-1604.	3.9	33
84	Control volume based finite element simulation of magnetic nanofluid flow and heat transport in non-Darcy medium. <i>Journal of Molecular Liquids</i> , 2018, 268, 354-364.	4.9	33
85	Magneto-hydrodynamics of a solid-liquid two-phase fluid in rotating channel due to peristaltic wavy movement. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2020, 30, 2501-2516.	2.8	33
86	Effect of Magnetic Dipole on Radiative Non-Darcian Mixed Convective Flow Over a Stretching Sheet in Porous Medium. <i>Journal of Nanofluids</i> , 2016, 5, 617-626.	2.7	33
87	Numerical study of Darcy-Forchheimer model with activation energy subject to chemically reactive species and momentum slip of order two. <i>AIP Advances</i> , 2019, 9, .	1.3	32
88	Natural convection nanofluid flow with heat transfer analysis of carbon nanotubes-water nanofluid inside a vertical truncated wavy cone. <i>Mathematical Methods in the Applied Sciences</i> , 2023, 46, 11303-11321.	2.3	32
89	Bioconvection Reiner-Rivlin Nanofluid Flow between Rotating Circular Plates with Induced Magnetic Effects, Activation Energy and Squeezing Phenomena. <i>Mathematics</i> , 2021, 9, 2139.	2.2	32
90	Hydromagnetic nanofluid flow past a stretching cylinder embedded in non-Darcian Forchheimer porous media. <i>Neural Computing and Applications</i> , 2018, 30, 3479-3489.	5.6	31

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91	Peristaltic propulsion of particulate non-Newtonian Ree-Eyring fluid in a duct through constant magnetic field. AEJ - Alexandria Engineering Journal, 2018, 57, 1055-1060.	6.4	30
92	Numerical analysis of unsteady flow of three-dimensional Williamson fluid-particle suspension with MHD and nonlinear thermal radiations. European Physical Journal Plus, 2020, 135, 1.	2.6	30
93	Buoyancy Driven Flow with Gas-Liquid Coatings of Peristaltic Bubbly Flow in Elastic Walls. Coatings, 2020, 10, 115.	2.6	30
94	Electromagnetohydrodynamic (EMHD) peristaltic flow of solid particles in a third-grade fluid with heat transfer. Mechanics and Industry, 2017, 18, 314.	1.3	28
95	Non-uniform pumping flow model for the couple stress particle-fluid under magnetic effects. Chemical Engineering Communications, 2022, 209, 1058-1069.	2.6	28
96	Study of variable magnetic field and endoscope on peristaltic blood flow of particle-fluid suspension through an annulus. Biomedical Engineering Letters, 2016, 6, 242-249.	4.1	27
97	Chemical reaction and heat transfer on boundary layer Maxwell Ferro-fluid flow under magnetic dipole with Soret and suction effects. Engineering Science and Technology, an International Journal, 2017, 20, 1122-1128.	3.2	27
98	Analysis of magnetohydrodynamics peristaltic transport of hydrogen bubble in water. International Journal of Hydrogen Energy, 2018, 43, 979-985.	7.1	26
99	Effect of electro-osmosis and mixed convection on nano-bio-fluid with non-spherical particles in a curved channel. Mechanics and Industry, 2018, 19, 108.	1.3	26
100	Thermal analysis of radiative bioconvection magnetohydrodynamic flow comprising gyrotactic microorganism with activation energy. Journal of Thermal Analysis and Calorimetry, 2021, 143, 2545-2556.	3.6	26
101	FLOW OF NONSPHERICAL NANOPARTICLES IN ELECTROMAGNETOHYDRODYNAMICS OF NANOFUIDS THROUGH A POROUS MEDIUM BETWEEN ECCENTRIC CYLINDERS. Journal of Porous Media, 2020, 23, 1201-1212.	1.9	26
102	Radiative bioconvection nanofluid squeezing flow between rotating circular plates: Semi-numerical study with the DTM-Pad $\hat{\circ}$ approach. Modern Physics Letters B, 2022, 36, .	1.9	25
103	Heat transfer and inclined magnetic field analysis on peristaltically induced motion of small particles. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 3259-3267.	1.6	24
104	Exact Solution for Peristaltic Flow of Jeffrey Fluid Model in a Three Dimensional Rectangular Duct having Slip at the Walls. Applied Bionics and Biomechanics, 2014, 11, 81-90.	1.1	23
105	Flow analysis of particulate suspension on an asymmetric peristaltic motion in a curved configuration with heat and mass transfer. Mechanics and Industry, 2018, 19, 401.	1.3	23
106	Biologically inspired transport of solid spherical nanoparticles in an electrically-conducting viscoelastic fluid with heat transfer. Thermal Science, 2020, 24, 1251-1260.	1.1	23
107	Exact solutions for flows of an Oldroyd 8-constant fluid with nonlinear slip conditions. Communications in Nonlinear Science and Numerical Simulation, 2010, 15, 322-330.	3.3	21
108	Analysis of magnetic properties of nanoparticles due to applied magnetic dipole in aqueous medium with momentum slip condition. Neural Computing and Applications, 2019, 31, 189-197.	5.6	21

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109	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.	1.1	21
110	Numerical Analysis of Unsteady Magneto-Biphase Williamson Fluid Flow with Time Dependent Magnetic Field. <i>Communications in Theoretical Physics</i> , 2019, 71, 143.	2.5	20
111	Heat transfer analysis in magnetohydrodynamic flow of solid particles in non-Newtonian Ree-Eyring fluid due to peristaltic wave in a channel. <i>Thermal Science</i> , 2019, 23, 1017-1026.	1.1	20
112	Parametric analysis and minimization of entropy generation in bioinspired magnetized non-Newtonian nanofluid pumping using artificial neural networks and particle swarm optimization. <i>Thermal Science and Engineering Progress</i> , 2021, 24, 100930.	2.7	19
113	Non Darcy Mixed Convection Flow of Magnetic Fluid over a Permeable Stretching Sheet with Ohmic Dissipation. <i>Journal of Magnetism</i> , 2016, 21, 153-158.	0.4	19
114	Analytic solutions for MHD flow in an annulus. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2010, 15, 1224-1227.	3.3	18
115	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
116	Numerical Modelling for Nanoparticle Thermal Migration with Effects of Shape of Particles and Magnetic Field Inside a Porous Enclosure. <i>Iranian Journal of Science and Technology - Transactions of Mechanical Engineering</i> , 2021, 45, 801-811.	1.3	18
117	On comparison of series and numerical solutions for second Painlevé equation. <i>Numerical Methods for Partial Differential Equations</i> , 2010, 26, 1070-1078.	3.6	17
118	Effects on heat transfer of multiphase magnetic fluid due to circular magnetic field over a stretching surface with heat source/sink and thermal radiation. <i>Results in Physics</i> , 2017, 7, 3353-3360.	4.1	17
119	Simultaneous Effects of Slip and Wall Stretching/Shrinking on Radiative Flow of Magneto Nanofluid Through Porous Medium. <i>Journal of Magnetism</i> , 2018, 23, 491-498.	0.4	17
120	Analysis of chemically reactive species with mixed convection and Darcy-Forchheimer flow under activation energy: a novel application for geothermal reservoirs. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 2357-2367.	3.6	16
121	Magnetized peristaltic particle-fluid propulsion with Hall and ion slip effects through a permeable channel. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 550, 123999.	2.6	16
122	Effects of External Magnetic Field on non-Newtonian Two Phase Fluid in an Annulus with Peristaltic Pumping. <i>Journal of Magnetism</i> , 2019, 24, 62-69.	0.4	16
123	Influence of rotating magnetic field on Maxwell saturated ferrofluid flow over a heated stretching sheet with heat generation/absorption. <i>Mechanics and Industry</i> , 2019, 20, 502.	1.3	15
124	Electroosmosis-modulated bioflow of nanofluid through a rectangular peristaltic pump induced by complex traveling wave with zeta potential and heat source. <i>Electrophoresis</i> , 2021, 42, 2143-2153.	2.4	15
125	Heat transfer analysis of magneto-Eyring-Powell fluid over a nonlinear stretching surface with multiple slip effects: Application of Roseland's heat flux. <i>Canadian Journal of Physics</i> , 2019, 97, 1253-1261.	1.1	14
126	Simulation of cavitation of spherically shaped hydrogen bubbles through a tube nozzle with stenosis. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2020, 30, 2535-2549.	2.8	14

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127	Entropy Analysis on a Three-Dimensional Wavy Flow of Eyring-Powell Nanofluid: A Comparative Study. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-14.	1.1	14
128	Heat and Mass Transfer Analysis of Peristaltic Flow of Nanofluid in a Vertical Rectangular Duct by Using the Optimized Series Solution and Genetic Algorithm. <i>Journal of Computational and Theoretical Nanoscience</i> , 2014, 11, 1133-1149.	0.4	13
129	Impact of Magnetic Field and Second-Order Slip Flow of Casson Liquid with Heat Transfer Subject to Suction/Injection and Convective Boundary Condition. <i>Journal of Magnetism</i> , 2019, 24, 81-89.	0.4	13
130	Flow Analysis of Two-Layer Nano/Johnson-Segalman Fluid in a Blood Vessel-like Tube with Complex Peristaltic Wave. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-18.	1.1	13
131	Impact of Cattaneo-Christov Heat Flux Model on the Flow of Maxwell Ferromagnetic Liquid Along a Cold Flat Plate Embedded with Two Equal Magnetic Dipoles. <i>Journal of Magnetism</i> , 2017, 22, 472-477.	0.4	12
132	Interaction between blood and solid particles propagating through a capillary with slip effects. <i>Microvascular Research</i> , 2018, 119, 38-46.	2.5	11
133	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.	2.8	11
134	Automatization analysis of the extremely sensitive laser-based dual-mode biomedical sensor. <i>Lasers in Medical Science</i> , 2020, 35, 1531-1542.	2.1	11
135	Optimal thermal performance of magneto-nanofluid flow in expanding/contracting channel. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 2189-2201.	3.6	11
136	Hydromagnetic Blood Flow of Sisko Fluid in a Non-uniform Channel Induced by Peristaltic Wave. <i>Communications in Theoretical Physics</i> , 2017, 68, 103.	2.5	10
137	Electromagnetohydrodynamic transport of Al_2O_3 nanoparticles in ethylene glycol over a convectively heated stretching cylinder. <i>Advances in Mechanical Engineering</i> , 2017, 9, 168781401773528.	1.6	10
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