Ahmad zeeshan

List of Publications by Citations

161 papers	6,827 citations	46 h-index	77 g-index
168 ext. papers	7,863 ext. citations	3 avg, IF	7.13 L-index

#	Paper	IF	Citations
161	Shape effects of nanosize particles in Cu□H2O nanofluid on entropy generation. *International Journal of Heat and Mass Transfer*, **2015**, 81, 449-456	4.9	312
160	Simulation of MHD CuO□water nanofluid flow and convective heat transfer considering Lorentz forces. *Journal of Magnetism and Magnetic Materials*, **2014**, 369, 69-80	2.8	295
159	Effect of magnetic dipole on viscous ferro-fluid past a stretching surface with thermal radiation. *Journal of Molecular Liquids*, **2016**, 215, 549-554	6	243
158	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	5.7	201
157	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	2.6	186
156	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	6	180
155	Convective heat transfer of nanofluid in a wavy channel: Buongiorno's mathematical model. *Journal of Molecular Liquids*, **2016**, 222, 446-455	6	160
154	The shape effects of nanoparticles suspended in HFE-7100 over wedge with entropy generation and mixed convection. *Applied Nanoscience (Switzerland)*, **2016**, 6, 641-651	3.3	157
153	Simultaneous effects of coagulation and variable magnetic field on peristaltically induced motion of Jeffrey nanofluid containing gyrotactic microorganism. *Microvascular Research*, **2017**, 110, 32-42	3.7	154
152	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	6	136
151	Aggregation effects on water base Al2O3□nanofluid over permeable wedge in mixed convection. *Asia-Pacific Journal of Chemical Engineering*, **2016**, 11, 179-186	1.3	133
150	Structural impact of kerosene-Al2O3 nanoliquid on MHD Poiseuille flow with variable thermal conductivity: Application of cooling process. *Journal of Molecular Liquids*, **2018**, 264, 607-615	6	127
149	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	3.7	126
148	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	4.5	119
147	Particle shape effects on ferrofuids flow and heat transfer under influence of low oscillating magnetic field. *Journal of Magnetism and Magnetic Materials*, **2017**, 443, 36-44	2.8	116
146	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	1.6	113
145	Mathematical modeling of heat and mass transfer effects on MHD peristaltic propulsion of two-phase flow through a Darcy-Brinkman-Forchheimer porous medium. *Advanced Powder Technology*, **2018**, 29, 1189-1197	4.6	109

144	Peristaltic Blood Flow of Couple Stress Fluid Suspended with Nanoparticles under the Influence of Chemical Reaction and Activation Energy. *Symmetry*, **2019**, 11, 276	2.7	105
143	Endoscope analysis on peristaltic blood flow of Sisko fluid with Titanium magneto-nanoparticles. *Computers in Biology and Medicine*, **2016**, 78, 29-41	7	103
142	Unsteady ferromagnetic liquid flow and heat transfer analysis over a stretching sheet with the effect of dipole and prescribed heat flux. *Journal of Molecular Liquids*, **2016**, 223, 528-533	6	101
141	Study of variable magnetic field on the peristaltic flow of Jeffrey fluid in a non-uniform rectangular duct having compliant walls. *Journal of Molecular Liquids*, **2016**, 222, 101-108	6	98
140	Swimming of Motile Gyrotactic Microorganisms and Nanoparticles in Blood Flow Through Anisotropically Tapered Arteries. *Frontiers in Physics*, **2020**, 8,	3.9	95
139	NON-NEWTONIAN NANOFLUID FLOW THROUGH A POROUS MEDIUM BETWEEN TWO COAXIAL CYLINDERS WITH HEAT TRANSFER AND VARIABLE VISCOSITY. *Journal of Porous Media*, **2013**, 16, 205-216	2.9	92
138	Effects of coagulation on the two-phase peristaltic pumping of magnetized prandtl biofluid through an endoscopic annular geometry containing a porous medium. *Chinese Journal of Physics*, **2019**, 58, 222-234	3.5	86
137	Analytical study on liquid-solid particles interaction in the presence of heat and mass transfer through a wavy channel. *Journal of Molecular Liquids*, **2018**, 250, 80-87	6	81
136	Effects of magnetic Reynolds number on swimming of gyrotactic microorganisms between rotating circular plates filled with nanofluids. *Applied Mathematics and Mechanics (English Edition)*, **2020**, 41, 637-654	3.2	77
135	Heat transfer analysis in ferromagnetic viscoelastic fluid flow over a stretching sheet with suction. *Neural Computing and Applications*, **2018**, 30, 1947-1955	4.8	77
134	Electroosmotic Flow of MHD Power Law Al 2 O 3 -PVC Nanouid in a Horizontal Channel: Couette-Poiseuille Flow Model. *Communications in Theoretical Physics*, **2018**, 69, 655	2.4	74
133	Magnetohydrodynamic flow of water/ethylene glycol based nanofluids with natural convection through a porous medium. *European Physical Journal Plus*, **2014**, 129, 1	3.1	74
132	Effects of Radiative Electro-Magnetohydrodynamics Diminishing Internal Energy of Pressure-Driven Flow of Titanium Dioxide-Water Nanofluid due to Entropy Generation. *Entropy*, **2019**, 21,	2.8	72
131	Heat transfer enhancement in hydromagnetic alumina–copper/water hybrid nanofluid flow over a stretching cylinder. *Journal of Thermal Analysis and Calorimetry*, **2019**, 138, 1127-1136	4.1	70
130	Slip effects and endoscopy analysis on blood flow of particle-fluid suspension induced by peristaltic wave. *Journal of Molecular Liquids*, **2016**, 218, 240-245	6	69
129	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	6.9	66
128	The Sustainable Characteristic of Bio-Bi-Phase Flow of Peristaltic Transport of MHD Jeffrey Fluid in the Human Body. *Sustainability*, **2018**, 10, 2671	3.6	65
127	Joules and Newtonian heating effects on stagnation point flow over a stretching surface by means of genetic algorithm and Nelder-Mead method. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2015**, 25, 665-684	4.5	64

126	Entropy Analysis on Electro-Kinetically Modulated Peristaltic Propulsion of Magnetized Nanofluid Flow through a Microchannel. *Entropy*, **2017**, 19, 481	2.8	63
125	Thermally Charged MHD Bi-Phase Flow Coatings with Non-Newtonian Nanofluid and Hafnium Particles along Slippery Walls. *Coatings*, **2019**, 9, 300	2.9	60
124	Mathematical Models of Electro-Magnetohydrodynamic Multiphase Flows Synthesis with Nano-Sized Hafnium Particles. *Applied Sciences (Switzerland)*, **2018**, 8, 275	2.6	59
123	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	1.5	55
122	Peristaltic propulsion of Jeffrey nano-liquid and heat transfer through a symmetrical duct with moving walls in a porous medium. *Physica A: Statistical Mechanics and Its Applications*, **2020**, 545, 123788	3.3	55
121	Study of Shiny Film Coating on Multi-Fluid Flows of a Rotating Disk Suspended with Nano-Sized Silver and Gold Particles: A Comparative Analysis. *Coatings*, **2018**, 8, 422	2.9	51
120	A comparative study on magnetic and non-magnetic particles in nanofluid propagating over a wedge. *Canadian Journal of Physics*, **2019**, 97, 277-285	1.1	48
119	Numerical study on bi-phase coupled stress fluid in the presence of Hafnium and metallic nanoparticles over an inclined plane. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2019**, 29, 2854-2869	4.5	48
118	Metachronal propulsion of a magnetised particle-fluid suspension in a ciliated channel with heat and mass transfer. *Physica Scripta*, **2019**, 94, 115301	2.6	47
117	Heat transfer analysis of Jeffery fluid flow over a stretching sheet with suction/injection and magnetic dipole effect. *AEJ - Alexandria Engineering Journal*, **2016**, 55, 2171-2181	6.1	46
116	Thermally developed peristaltic propulsion of magnetic solid particles in biorheological fluids. *Indian Journal of Physics*, **2018**, 92, 423-430	1.4	46
115	Flow of Viscous Nanofluid Between the Concentric Cylinders. *Journal of Computational and Theoretical Nanoscience*, **2014**, 11, 646-654	0.3	44
114	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	6	43
113	Two-Phase Couette Flow of Couple Stress Fluid with Temperature Dependent Viscosity Thermally Affected by Magnetized Moving Surface. *Symmetry*, **2019**, 11, 647	2.7	42
112	Analysis of Arrhenius Kinetics on Multiphase Flow between a Pair of Rotating Circular Plates. *Mathematical Problems in Engineering*, **2020**, 2020, 1-17	1.1	42
111	Numerical simulation of Fe3O4-water nanofluid flow in a non-Darcy porous media. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2018**, 28, 641-660	4.5	42
110	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	5.8	42
109	Convective Poiseuille flow of Al2O3-EG nanofluid in a porous wavy channel with thermal radiation. *Neural Computing and Applications*, **2018**, 30, 3371-3382	4.8	40

108	Effects of iron nanoparticles 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	2.8	40
107	Mathematical modelling of nonlinear thermal radiation effects on EMHD peristaltic pumping of viscoelastic dusty fluid through a porous medium duct **2017**, 20, 1129-1139		40
106	Mathematical Analysis on an Asymmetrical Wavy Motion of Blood under the Influence Entropy Generation with Convective Boundary Conditions. *Symmetry*, **2020**, 12, 102	2.7	40
105	Flow analysis of biconvective heat and mass transfer of two-dimensional couple stress fluid over a paraboloid of revolution. *International Journal of Modern Physics B*, **2020**, 34, 2050110	1.1	38
104	Thermal analysis of peristaltic flow of nanosized particles within a curved channel with second-order partial slip and porous medium. *Journal of Thermal Analysis and Calorimetry*, **2021**, 143, 1997-2009	4.1	37
103	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,	2.8	37
102	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*, **2021**, 103511	7.8	36
101	Effects of Double Diffusion Convection on Third Grade Nanofluid through a Curved Compliant Peristaltic Channel. *Coatings*, **2020**, 10, 154	2.9	36
100	Analytic study of heat transfer with variable viscosity on solid particle motion in dusty Jeffery fluid. *Modern Physics Letters B*, **2016**, 30, 1650196	1.6	35
99	A study of heat transfer in power law nanofluid. *Thermal Science*, **2016**, 20, 2015-2026	1.2	35
98	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	1.8	33
97	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	6	32
96	HEAT TRANSFER IN MAGNETITE (Fe3O4) NANOPARTICLES SUSPENDED IN CONVENTIONAL FLUIDS: REFRIGERANT-134A (C2H2F4), KEROSENE (C10H22), AND WATER (H2O) UNDER THE IMPACT OF DIPOLE. *Heat Transfer Research*, **2020**, 51, 217-232	3.9	32
95	Heat transfer with thermal radiation on MHD particle fluid suspension induced by metachronal wave **2017**, 89, 1		31
94	Control volume based finite element simulation of magnetic nanofluid flow and heat transport in non-Darcy medium. *Journal of Molecular Liquids*, **2018**, 268, 354-364	6	28
93	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	2.4	27
92	Numerical investigation of the unsteady solid-particle flow of a tangent hyperbolic fluid with variable thermal conductivity and convective boundary. *European Physical Journal Plus*, **2019**, 134, 1	3.1	26
91	Effect of Magnetic Dipole on Radiative Non-Darcian Mixed Convective Flow Over a Stretching Sheet in Porous Medium. *Journal of Nanofluids*, **2016**, 5, 617-626	2.2	26

90	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	1.5	25
89	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	4.1	25
88	Mathematical study of peristaltic propulsion of solid–liquid multiphase flow with a biorheological fluid as the base fluid in a duct. *Chinese Journal of Physics*, **2017**, 55, 1596-1604	3.5	23
87	Electromagnetohydrodynamic (EMHD) peristaltic flow of solid particles in a third-grade fluid with heat transfer. *Mechanics and Industry*, **2017**, 18, 314	0.8	23
86	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	3	23
85	HEAT AND MASS TRANSFER ANALYSIS ON PERISTALTIC FLOW OF PARTICLE–FLUID SUSPENSION WITH SLIP EFFECTS. *Journal of Mechanics in Medicine and Biology*, **2017**, 17, 1750028	0.7	21
84	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	3.1	21
83	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	3.6	21
82	Buoyancy Driven Flow with Gas-Liquid Coatings of Peristaltic Bubbly Flow in Elastic Walls. *Coatings*, **2020**, 10, 115	2.9	20
81	Numerical study of Darcy-Forchheimer model with activation energy subject to chemically reactive species and momentum slip of order two. *AIP Advances*, **2019**, 9, 045035	1.5	19
80	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	1.6	19
79	Analysis of activation energy in magnetohydrodynamic flow with chemical reaction and second order momentum slip model. *Case Studies in Thermal Engineering*, **2018**, 12, 765-773	5.6	19
78	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	2	18
77	Peristaltic propulsion of particulate non-Newtonian Ree-Eyring fluid in a duct through constant magnetic field. *AEJ - Alexandria Engineering Journal*, **2018**, 57, 1055-1060	6.1	18
76	Hydromagnetic nanofluid flow past a stretching cylinder embedded in non-Darcian Forchheimer porous media. *Neural Computing and Applications*, **2018**, 30, 3479-3489	4.8	18
75	Chemical reaction and heat transfer on boundary layer Maxwell Ferro-fluid flow under magnetic dipole with Soret and suction effects **2017**, 20, 1122-1128		17
74	Numerical Analysis of Unsteady Magneto-Biphase Williamson Fluid Flow with Time Dependent Magnetic Field. *Communications in Theoretical Physics*, **2019**, 71, 143	2.4	17
73	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	3.7	17

72	Non Darcy Mixed Convection Flow of Magnetic Fluid over a Permeable Stretching Sheet with Ohmic Dissipation. *Journal of Magnetics*, **2016**, 21, 153-158	1.9	17
71	Entropy generation and MHD analysis of a nanofluid with peristaltic three dimensional cylindrical enclosures. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2021**, 31, 2698-2714	4.5	16
70	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. *Mathematics and Computers in Simulation*, **2021**, 190, 1080-1109	3.3	16
69	Magneto-hydrodynamics of a solid-liquid two-phase fluid in rotating channel due to peristaltic wavy movement. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2019**, 30, 2501-2516	4.5	15
68	Effects on heat transfer of multiphase magnetic fluid due to circular magnetic field over a stretching surface with heat source/sink and thermal radiation. *Results in Physics*, **2017**, 7, 3353-3360	3.7	14
67	Analytic solutions for MHD flow in an annulus. *Communications in Nonlinear Science and Numerical Simulation*, **2010**, 15, 1224-1227	3.7	14
66	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	4.8	14
65	Bioconvection Reiner-Rivlin Nanofluid Flow between Rotating Circular Plates with Induced Magnetic Effects, Activation Energy and Squeezing Phenomena. *Mathematics*, **2021**, 9, 2139	2.3	14
64	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. *Arabian Journal for Science and Engineering*, **2021**, 46, 6039-6048	2.5	14
63	Effects of External Magnetic Field on non-Newtonian Two Phase Fluid in an Annulus with Peristaltic Pumping. *Journal of Magnetics*, **2019**, 24, 62-69	1.9	13
62	Magnetized peristaltic particle□fluid propulsion with Hall and ion slip effects through a permeable channel. *Physica A: Statistical Mechanics and Its Applications*, **2020**, 550, 123999	3.3	13
61	Heat transfer analysis of magneto-Eyring□Powell fluid over a nonlinear stretching surface with multiple slip effects: Application of Roseland□ heat flux. *Canadian Journal of Physics*, **2019**, 97, 1253-1261	1.1	12
60	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	0.3	12
59	Simultaneous Effects of Slip and Wall Stretching/Shrinking on Radiative Flow of Magneto Nanofluid Through Porous Medium. *Journal of Magnetics*, **2018**, 23, 491-498	1.9	12
58	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*,	2.3	12
57	Numerical Modelling for Nanoparticle Thermal Migration with Effects of Shape of Particles and Magnetic Field Inside a Porous Enclosure. *Iranian Journal of Science and Technology - Transactions of Mechanical Engineering*, **2020**, 45, 801	1.2	11
56	On comparison of series and numerical solutions for second Painlev□equation. *Numerical Methods for Partial Differential Equations*, **2010**, 26, 1070-1078	2.5	11
55	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. *Journal of Magnetics*, **2017**, 22, 472-477	1.9	11

54	Impact of Magnetic Field and Second-Order Slip Flow of Casson Liquid with Heat Transfer Subject to Suction/Injection and Convective Boundary Condition. *Journal of Magnetics*, **2019**, 24, 81-89	1.9	11
53	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	4.5	11
52	Thermal analysis of radiative bioconvection magnetohydrodynamic flow comprising gyrotactic microorganism with activation energy. *Journal of Thermal Analysis and Calorimetry*, **2021**, 143, 2545-2556	4.1	11
51	Interaction between blood and solid particles propagating through a capillary with slip effects. *Microvascular Research*, **2018**, 119, 38-46	3.7	10
50	Influence of rotating magnetic field on Maxwell saturated ferrofluid flow over a heated stretching sheet with heat generation/absorption. *Mechanics and Industry*, **2019**, 20, 502	0.8	10
49	Series solutions for magnetohydrodynamic flow of non-Newtonian nanofluid and heat transfer in coaxial porous cylinder with slip conditions. *Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems*, **2011**, 225, 123-132		10
48	Heat transfer analysis in magnetohydrodynamic flow of solid particles in non-Newtonian Ree-Eyring fluid due to peristaltic wave in a channel. *Thermal Science*, **2019**, 23, 1017-1026	1.2	10
47	Analysis of chemically reactive species with mixed convection and Darcy–Forchheimer flow under activation energy: a novel application for geothermal reservoirs. *Journal of Thermal Analysis and Calorimetry*, **2020**, 140, 2357-2367	4.1	10
46	Non-uniform pumping flow model for the couple stress particle-fluid under magnetic effects. *Chemical Engineering Communications*, **2021**, 1-12	2.2	10
45	Parametric analysis and minimization of entropy generation in bioinspired magnetized non-Newtonian nanofluid pumping using artificial neural networks and particle swarm optimization. *Thermal Science and Engineering Progress*, **2021**, 24, 100930	3.6	10
44	Automatization analysis of the extremely sensitive laser-based dual-mode biomedical sensor. *Lasers in Medical Science*, **2020**, 35, 1531-1542	3.1	9
43	Hydromagnetic Blood Flow of Sisko Fluid in a Non-uniform Channel Induced by Peristaltic Wave. *Communications in Theoretical Physics*, **2017**, 68, 103	2.4	9
42	Analysis of magnetohydrodynamics peristaltic transport of hydrogen bubble in water. *International Journal of Hydrogen Energy*, **2018**, 43, 979-985	6.7	9
41	Melting heat transfer in an axisymmetric stagnation-point flow of the Jeffrey fluid. *Journal of Applied Mechanics and Technical Physics*, **2016**, 57, 308-316	0.6	8
40	Electromagnetohydrodynamic transport of Al2O3 nanoparticles in ethylene glycol over a convectively heated stretching cylinder. *Advances in Mechanical Engineering*, **2017**, 9, 168781401773528	1.2	8
39	Mixed convection flow and heat transfer in ferromagnetic fluid over a stretching sheet with partial slip effects. *Thermal Science*, **2018**, 22, 2515-2526	1.2	8
38	Mass Transport with Asymmetric Peristaltic Propulsion Coated with Synovial Fluid. *Coatings*, **2018**, 8, 407	2.9	8
37	Electromagnetic Flow of SWCNT/MWCNT Suspensions in Two Immiscible Water- and Engine-Oil-Based Newtonian Fluids through Porous Media. *Symmetry*, **2022**, 14, 406	2.7	8

36	Influence of magnetohydrodynamics on metachronal wave of particle-fluid suspension due to cilia motion **2017**, 20, 265-271		7
35	Concentration Flux Dependent on Radiative MHD Casson Flow with Arrhenius Activation Energy: Homotopy Analysis Method (HAM) with an Evolutionary Algorithm. *International Journal of Heat and Technology*, **2020**, 38, 785-793	2.2	7
34	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	5.8	7
33	Numerical investigation on activation energy of chemically reactive heat transfer unsteady flow with multiple slips. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2020**, 30, 4955-4977	4.5	7
32	Energy analysis of non-Newtonian nanofluid flow over parabola of revolution on the horizontal surface with catalytic chemical reaction. *Heat Transfer*, **2021**, 50, 6189-6209	3.1	7
31	Optimal thermal performance of magneto-nanofluid flow in expanding/contracting channel. *Journal of Thermal Analysis and Calorimetry*, **2021**, 143, 2189-2201	4.1	7
30	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	0.8	7
29	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	0.8	7
28	Hydromagnetic solid□quid pulsatile flow through concentric cylinders in a porous medium. *Journal of Visualization*, **2018**, 21, 407-419	1.6	6
27	A study of pressure distribution for a slider bearing lubricated with a second-grade fluid. *Numerical Methods for Partial Differential Equations*, **2011**, 27, 1231-1241	2.5	6
26	Fundamental flows with nonlinear slip conditions: exact solutions. *Zeitschrift Fur Angewandte Mathematik Und Physik*, **2010**, 61, 877-888	1.6	6
25	Effects of Magnetohydrodynamics Flow on Multilayer Coatings of Newtonian and Non-Newtonian Fluids through Porous Inclined Rotating Channel. *Coatings*, **2022**, 12, 430	2.9	6
24	Hydromagnetic transport of iron nanoparticle aggregates suspended in water. *Indian Journal of Physics*, **2019**, 93, 53-59	1.4	5
23	FLOW OF NONSPHERICAL NANOPARTICLES IN ELECTROMAGNETOHYDRODYNAMICS OF NANOFLUIDS THROUGH A POROUS MEDIUM BETWEEN ECCENTRIC CYLINDERS. *Journal of Porous Media*, **2020**, 23, 1201-1212	2.9	5
22	Convective heat transfer in a dusty ferromagnetic fluid over a stretching surface with prescribed surface temperature/heat flux including heat source/sink. *Journal of the National Science Foundation of Sri Lanka*, **2018**, 46, 399	1.6	5
21	Highly Sensitive Microsensor Based on Absorption Spectroscopy: Design Considerations for Optical Receiver. *IEEE Access*, **2020**, 8, 100212-100225	3.5	4
20	Biologically inspired transport of solid spherical nanoparticles in an electrically-conducting viscoelastic fluid with heat transfer. *Thermal Science*, **2020**, 24, 1251-1260	1.2	4
19	On the effects of chemical reaction on controlled heat and mass transfer in magnetized non-Newtonian biofluid through a long rectangular tunnel. *Journal of Thermal Analysis and Calorimetry*, **2021**, 143, 2637-2646	4.1	4

18	Hydromagnetic transport of dust particles in gas flow over an inclined plane with thermal radiation. *Results in Physics*, **2017**, 7, 1932-1939	3.7	3
17	Optimal solution of integro-differential equation of Suspension Bridge Model using Genetic Algorithm and Nelder-Mead methodPeer review under responsibility of University of Bahrain.View all notes. *Journal of the Association of Arab Universities for Basic and Applied Sciences*, **2017**, 24, 310-314		3
16	Radiative bioconvection nanofluid squeezing flow between rotating circular plates: Semi-numerical study with the DTM-Pad□approach. *Modern Physics Letters B*, **2022**, 36,	1.6	3
15	Entropy Analysis on a Three-Dimensional Wavy Flow of Eyring□Powell Nanofluid: A Comparative Study. *Mathematical Problems in Engineering*, **2021**, 2021, 1-14	1.1	3
14	Analytical Solutions for Two Mixed Initial-Boundary Value Problems Corresponding to Unsteady Motions of Maxwell Fluids through a Porous Plate Channel. *Mathematical Problems in Engineering*, **2021**, 2021, 1-13	1.1	3
13	Vibration analysis of carbon nanotubes based on cylindrical shell by inducting Winkler and Pasternak foundations. *Mechanics of Advanced Materials and Structures*, **2019**, 26, 1140-1145	1.8	2
12	Evaluation of Magnetohydrodynamics of Natural Convective Heat Flow over Circular Cylinder Saturated by Nanofluid with Thermal Radiation and Heat Generation Effects. *Mathematics*, **2022**, 10, 1858	2.3	2
11	Numerical simulation of unidimensional bubbly flow in linear and non-linear one parameter elastic liquid through a nozzles. *European Physical Journal: Special Topics*,1	2.3	1
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