

# M M Bhatti

## List of Publications by Citations

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182  
papers

6,946  
citations

48  
h-index

73  
g-index

196  
ext. papers

8,477  
ext. citations

2.9  
avg, IF

7.51  
L-index

#	Paper	IF	Citations
182	Forced convection of nanofluid in presence of constant magnetic field considering shape effects of nanoparticles. <i>International Journal of Heat and Mass Transfer</i> , <b>2017</b> , 111, 1039-1049	4.9	269
181	Active method for nanofluid heat transfer enhancement by means of EHD. <i>International Journal of Heat and Mass Transfer</i> , <b>2017</b> , 109, 115-122	4.9	250
180	Effects of thermo-diffusion and thermal radiation on Williamson nanofluid over a porous shrinking/stretching sheet. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 221, 567-573	6	241
179	Simultaneous effects of coagulation and variable magnetic field on peristaltically induced motion of Jeffrey nanofluid containing gyrotactic microorganism. <i>Microvascular Research</i> , <b>2017</b> , 110, 32-42	3.7	154
178	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. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 230, 237-246	6	136
177	Entropy Generation on MHD Casson Nanofluid Flow over a Porous Stretching/Shrinking Surface. <i>Entropy</i> , <b>2016</b> , 18, 123	2.8	136
176	Analysis on the bioconvection flow of modified second-grade nanofluid containing gyrotactic microorganisms and nanoparticles. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 291, 111231	6	114
175	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> , <b>2019</b> , 33, 1950439	1.6	113
174	Effects of heat and mass transfer on peristaltic flow in a non-uniform rectangular duct. <i>International Journal of Heat and Mass Transfer</i> , <b>2014</b> , 71, 706-719	4.9	113
173	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> , <b>2018</b> , 29, 1189-1197	4.6	109
172	EFFECTS OF MAGNETOHYDRODYNAMICS ON PERISTALTIC FLOW OF JEFFREY FLUID IN A RECTANGULAR DUCT THROUGH A POROUS MEDIUM. <i>Journal of Porous Media</i> , <b>2014</b> , 17, 143-157	2.9	106
171	Endoscope analysis on peristaltic blood flow of Sisko fluid with Titanium magneto-nanoparticles. <i>Computers in Biology and Medicine</i> , <b>2016</b> , 78, 29-41	7	103
170	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> , <b>2016</b> , 26, 1802-1820	4.5	101
169	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> , <b>2016</b> , 222, 101-108	6	98
168	Swimming of Motile Gyrotactic Microorganisms and Nanoparticles in Blood Flow Through Anisotropically Tapered Arteries. <i>Frontiers in Physics</i> , <b>2020</b> , 8,	3.9	95
167	Thermally developed Falkner-Bernstein bioconvection flow of a magnetized nanofluid in the presence of a motile gyrotactic microorganism: Buongiorno's nanofluid model. <i>Physica Scripta</i> , <b>2019</b> , 94, 115304	2.6	93
166	Entropy Generation on MHD Eyring-Brewster Nanofluid through a Permeable Stretching Surface. <i>Entropy</i> , <b>2016</b> , 18, 224	2.8	93

165	The study of non-Newtonian nanofluid with hall and ion slip effects on peristaltically induced motion in a non-uniform channel.. <i>RSC Advances</i> , <b>2018</b> , 8, 7904-7915	3.7	90
164	Study of Activation Energy on the Movement of Gyrotactic Microorganism in a Magnetized Nanofluids Past a Porous Plate. <i>Processes</i> , <b>2020</b> , 8, 328	2.9	88
163	A mathematical model of MHD nanofluid flow having gyrotactic microorganisms with thermal radiation and chemical reaction effects. <i>Neural Computing and Applications</i> , <b>2018</b> , 30, 1237-1249	4.8	87
162	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> , <b>2019</b> , 58, 222-234	3.5	86
161	STUDY OF HEAT AND MASS TRANSFER IN THE EYRING-BOWELL MODEL OF FLUID PROPAGATING PERISTALTICALLY THROUGH A RECTANGULAR COMPLIANT CHANNEL. <i>Heat Transfer Research</i> , <b>2019</b> , 50, 1539-1560	3.9	84
160	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> , <b>2018</b> , 250, 80-87	6	81
159	On the Partition of Energies for the Backward in Time Problem of Thermoelastic Materials with a Dipolar Structure. <i>Symmetry</i> , <b>2019</b> , 11, 863	2.7	80
158	Bioconvection in the Rheology of Magnetized Couple Stress Nanofluid Featuring Activation Energy and Wu-Slip. <i>Journal of Non-Equilibrium Thermodynamics</i> , <b>2020</b> , 45, 81-95	3.8	78
157	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> , <b>2020</b> , 41, 637-654	3.2	77
156	Magnetic force effects on peristaltic transport of hybrid bio-nanofluid (AuCu nanoparticles) with moderate Reynolds number: An expanding horizon. <i>International Communications in Heat and Mass Transfer</i> , <b>2021</b> , 123, 105228	5.8	76
155	Entropy Analysis on the Blood Flow through Anisotropically Tapered Arteries Filled with Magnetic Zinc-Oxide (ZnO) Nanoparticles. <i>Entropy</i> , <b>2020</b> , 22,	2.8	72
154	A robust numerical method for solving stagnation point flow over a permeable shrinking sheet under the influence of MHD. <i>Applied Mathematics and Computation</i> , <b>2018</b> , 316, 381-389	2.7	70
153	Slip effects and endoscopy analysis on blood flow of particle-fluid suspension induced by peristaltic wave. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 218, 240-245	6	69
152	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> , <b>2016</b> , 137, 115-124	6.9	66
151	Study of Arrhenius activation energy on the thermo-bioconvection nanofluid flow over a Riga plate. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 143, 2029-2038	4.1	64
150	Entropy Analysis on Electro-Kinetically Modulated Peristaltic Propulsion of Magnetized Nanofluid Flow through a Microchannel. <i>Entropy</i> , <b>2017</b> , 19, 481	2.8	63
149	Analysis of Entropy Generation in the Flow of Peristaltic Nanofluids in Channels With Compliant Walls. <i>Entropy</i> , <b>2016</b> , 18, 90	2.8	62
148	The impact of impinging TiO <sub>2</sub> nanoparticles in Prandtl nanofluid along with endoscopic and variable magnetic field effects on peristaltic blood flow. <i>Multidiscipline Modeling in Materials and Structures</i> , <b>2018</b> , 14, 530-548	2.2	60

147	Mass transport on chemicalized fourth-grade fluid propagating peristaltically through a curved channel with magnetic effects. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 258, 186-195	6	59
146	Entropy Generation on MHD Blood Flow of Nanofluid Due to Peristaltic Waves. <i>Entropy</i> , <b>2016</b> , 18, 117	2.8	59
145	Numerical Investigation on the Swimming of Gyrotactic Microorganisms in Nanofluids through Porous Medium over a Stretched Surface. <i>Mathematics</i> , <b>2020</b> , 8, 380	2.3	56
144	Inspiration of slip effects on electromagnetohydrodynamics (EMHD) nanofluid flow through a horizontal Riga plate. <i>European Physical Journal Plus</i> , <b>2016</b> , 131, 1	3.1	55
143	Numerical Study of Entropy Generation with Nonlinear Thermal Radiation on Magnetohydrodynamics non-Newtonian Nanofluid Through a Porous Shrinking Sheet. <i>Journal of Magnetism</i> , <b>2016</b> , 21, 468-475	1.9	55
142	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> , <b>2020</b> , 545, 123788 <sup>3-3</sup>		55
141	Three-dimensional flow analysis of Carreau fluid model induced by peristaltic wave in the presence of magnetic field. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 241, 1059-1068	6	54
140	Significance of bioconvection in chemical reactive flow of magnetized Carreau-Yasuda nanofluid with thermal radiation and second-order slip. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 140, 1293-1306	4.1	52
139	Anomalous reactivity of thermo-bioconvective nanofluid towards oxytactic microorganisms. <i>Applied Mathematics and Mechanics (English Edition)</i> , <b>2020</b> , 41, 711-724	3.2	52
138	Analysis of heat and mass transfer with MHD and chemical reaction effects on viscoelastic fluid over a stretching sheet. <i>Indian Journal of Physics</i> , <b>2017</b> , 91, 1219-1227	1.4	51
137	Simultaneous effects of slip and MHD on peristaltic blood flow of Jeffrey fluid model through a porous medium. <i>AEJ - Alexandria Engineering Journal</i> , <b>2016</b> , 55, 1017-1023	6.1	50
136	Three dimensional peristaltic flow of hyperbolic tangent fluid in non-uniform channel having flexible walls. <i>AEJ - Alexandria Engineering Journal</i> , <b>2016</b> , 55, 653-662	6.1	49
135	A comparative study on magnetic and non-magnetic particles in nanofluid propagating over a wedge. <i>Canadian Journal of Physics</i> , <b>2019</b> , 97, 277-285	1.1	48
134	Macroscopic modeling for convection of Hybrid nanofluid with magnetic effects. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2019</b> , 534, 122136	3.3	48
133	Entropy Generation on Nanofluid Flow through a Horizontal Riga Plate. <i>Entropy</i> , <b>2016</b> , 18, 223	2.8	48
132	Metachronal propulsion of a magnetised particle-fluid suspension in a ciliated channel with heat and mass transfer. <i>Physica Scripta</i> , <b>2019</b> , 94, 115301	2.6	47
131	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> , <b>2021</b> , 144, 2187-2202	4.1	46
130	Thermally developed peristaltic propulsion of magnetic solid particles in biorheological fluids. <i>Indian Journal of Physics</i> , <b>2018</b> , 92, 423-430	1.4	46

129	APPLICATION OF DRUG DELIVERY IN MAGNETOHYDRODYNAMICS PERISTALTIC BLOOD FLOW OF NANOFLUID IN A NON-UNIFORM CHANNEL. <i>Journal of Mechanics in Medicine and Biology</i> , <b>2016</b> , 16, 1650052	0.7	45
128	Entropy generation on the interaction of nanoparticles over a stretched surface with thermal radiation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2019</b> , 570, 368-376	5.1	45
127	Peristaltic Flow of Couple Stress Fluid in a Non-Uniform Rectangular Duct Having Compliant Walls. <i>Communications in Theoretical Physics</i> , <b>2016</b> , 65, 66-72	2.4	45
126	Entropy generation as a practical tool of optimisation for non-Newtonian nanofluid flow through a permeable stretching surface using SLM. <i>Journal of Computational Design and Engineering</i> , <b>2017</b> , 4, 21-28	4.6	45
125	Intra-uterine particle fluid motion through a compliant asymmetric tapered channel with heat transfer. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 144, 2259	4.1	43
124	Analysis of Arrhenius Kinetics on Multiphase Flow between a Pair of Rotating Circular Plates. <i>Mathematical Problems in Engineering</i> , <b>2020</b> , 2020, 1-17	1.1	42
123	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> , <b>2016</b> , 46, 75-94	5.8	42
122	Combine effects of Magnetohydrodynamics (MHD) and partial slip on peristaltic Blood flow of Reeyring fluid with wall properties <b>2016</b> , 19, 1497-1502		41
121	Analytical Study of the Head-On Collision Process between Hydroelastic Solitary Waves in the Presence of a Uniform Current. <i>Symmetry</i> , <b>2019</b> , 11, 333	2.7	40
120	Mathematical modelling of nonlinear thermal radiation effects on EMHD peristaltic pumping of viscoelastic dusty fluid through a porous medium duct <b>2017</b> , 20, 1129-1139		40
119	Mathematical Analysis on an Asymmetrical Wavy Motion of Blood under the Influence Entropy Generation with Convective Boundary Conditions. <i>Symmetry</i> , <b>2020</b> , 12, 102	2.7	40
118	Numerical study of slip and radiative effects on magnetic Fe3O4-water-based nanofluid flow from a nonlinear stretching sheet in porous media with Soret and Dufour diffusion. <i>Modern Physics Letters B</i> , <b>2020</b> , 34, 2050026	1.6	39
117	Bio-inspired peristaltic propulsion of hybrid nanofluid flow with Tantalum (Ta) and Gold (Au) nanoparticles under magnetic effects. <i>Waves in Random and Complex Media</i> , <b>2021</b> , 1-26	1.9	38
116	New Insight into AuNP Applications in Tumour Treatment and Cosmetics through Wavy Annuli at the Nanoscale. <i>Scientific Reports</i> , <b>2019</b> , 9, 260	4.9	37
115	Study of heat and mass transfer with Joule heating on magnetohydrodynamic (MHD) peristaltic blood flow under the influence of Hall effect. <i>Propulsion and Power Research</i> , <b>2017</b> , 6, 177-185	3.6	36
114	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> , <b>2021</b> , 103511	7.8	36
113	Effects of Double Diffusion Convection on Third Grade Nanofluid through a Curved Compliant Peristaltic Channel. <i>Coatings</i> , <b>2020</b> , 10, 154	2.9	36
112	Analytic study of heat transfer with variable viscosity on solid particle motion in dusty Jeffery fluid. <i>Modern Physics Letters B</i> , <b>2016</b> , 30, 1650196	1.6	35

111	Numerical Simulation of Entropy Generation on MHD Nanofluid Towards a Stagnation Point Flow Over a Stretching Surface. <i>International Journal of Applied and Computational Mathematics</i> , <b>2017</b> , 3, 2275-2289 <sup>1,3</sup> 35		
110	Electro-magnetohydrodynamic flow and heat transfer of a third-grade fluid using a Darcy-Brinkman-Forchheimer model. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2021</b> , 31, 2623-2639	4.5	33
109	Nonlinear nanofluid fluid flow under the consequences of Lorentz forces and Arrhenius kinetics through a permeable surface: A robust spectral approach. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2021</b> , 124, 98-105	5.3	33
108	Numerical study of radiative Maxwell viscoelastic magnetized flow from a stretching permeable sheet with the Cattaneo-Christov heat flux model. <i>Neural Computing and Applications</i> , <b>2018</b> , 30, 3467-3478 <sup>4,8</sup>		32
107	HEAT TRANSFER IN MAGNETITE (Fe <sub>3</sub> O <sub>4</sub> ) NANOPARTICLES SUSPENDED IN CONVENTIONAL FLUIDS: REFRIGERANT-134A (C <sub>2</sub> H <sub>2</sub> F <sub>4</sub> ), KEROSENE (C <sub>10</sub> H <sub>22</sub> ), AND WATER (H <sub>2</sub> O) UNDER THE IMPACT OF DIPOLE. <i>Heat Transfer Research</i> , <b>2020</b> , 51, 217-232	3.9	32
106	Electroosmosis modulated biomechanical transport through asymmetric microfluidics channel. <i>Indian Journal of Physics</i> , <b>2018</b> , 92, 1229-1238	1.4	31
105	Heat transfer with thermal radiation on MHD particle fluid suspension induced by metachronal wave <b>2017</b> , 89, 1		31
104	Effects of thermal radiation and electromagnetohydrodynamics on viscous nanofluid through a Riga plate. <i>Multidiscipline Modeling in Materials and Structures</i> , <b>2016</b> , 12, 605-618	2.2	31
103	Numerical analysis of activation energy on MHD nanofluid flow with exponential temperature-dependent viscosity past a porous plate. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 143, 2585-2596	4.1	31
102	Magnetohydrodynamics Nanofluid Flow Containing Gyrotactic Microorganisms Propagating Over a Stretching Surface by Successive Taylor Series Linearization Method. <i>Microgravity Science and Technology</i> , <b>2018</b> , 30, 445-455	1.6	29
101	Simultaneous influence of thermo-diffusion and diffusion-thermo on non-Newtonian hyperbolic tangent magnetised nanofluid with Hall current through a nonlinear stretching surface <b>2019</b> , 93, 1		28
100	Numerical simulation of Fluid flow over a shrinking porous sheet by Successive linearization method. <i>AEJ - Alexandria Engineering Journal</i> , <b>2016</b> , 55, 51-56	6.1	28
99	Entropy Generation with Nonlinear Thermal Radiation in MHD Boundary Layer Flow Over a Permeable Shrinking/Stretching Sheet: Numerical Solution. <i>Journal of Nanofluids</i> , <b>2016</b> , 5, 543-548	2.2	28
98	Bioconvection analysis for flow of Oldroyd-B nanofluid configured by a convectively heated surface with partial slip effects. <i>Surfaces and Interfaces</i> , <b>2021</b> , 23, 100982	4.1	27
97	Hydrodynamics Interactions of Metachronal Waves on Particulate-Liquid Motion through a Ciliated Annulus: Application of Bio-Engineering in Blood Clotting and Endoscopy. <i>Symmetry</i> , <b>2020</b> , 12, 532	2.7	26
96	Thermodynamic entropy of a magnetized Ree-Eyring particle-fluid motion with irreversibility process: A mathematical paradigm. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , <b>2021</b> , 101, e202000186	1	26
95	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> , <b>2019</b> , 233, 643-652	1.5	25
94	Differential transform solution for Hall and ion-slip effects on radiative-convective Casson flow from a stretching sheet with convective heating. <i>Heat Transfer</i> , <b>2020</b> , 49, 872-888	3.1	25

93	Electromagnetohydrodynamic nanofluid flow past a porous Riga plate containing gyrotactic microorganism. <i>Neural Computing and Applications</i> , <b>2019</b> , 31, 1905-1913	4.8	25
92	A New Numerical Simulation of MHD Stagnation-Point Flow Over a Permeable Stretching/Shrinking Sheet in Porous Media with Heat Transfer <b>2017</b> , 41, 779-785		24
91	On the decay of exponential type for the solutions in a dipolar elastic body. <i>Journal of Taibah University for Science</i> , <b>2020</b> , 14, 534-540	3	24
90	Analysis on the heat storage unit through a Y-shaped fin for solidification of NEPCM. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 292, 111378	6	24
89	Heat transfer effects on electro-magnetohydrodynamic Carreau fluid flow between two micro-parallel plates with Darcy-Brinkman-Forchheimer medium. <i>Archive of Applied Mechanics</i> , <b>2021</b> , 91, 1683-1695	2.2	24
88	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> , <b>2017</b> , 55, 1596-1604	3.5	23
87	Interaction of aluminum oxide nanoparticles with flow of polyvinyl alcohol solutions base nanofluids over a wedge. <i>Applied Nanoscience (Switzerland)</i> , <b>2018</b> , 8, 53-60	3.3	23
86	Electromagnetohydrodynamic (EMHD) peristaltic flow of solid particles in a third-grade fluid with heat transfer. <i>Mechanics and Industry</i> , <b>2017</b> , 18, 314	0.8	23
85	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> , <b>2021</b> , 15, 514-529	3	23
84	Duan-Bach Approach to Study Al <sub>2</sub> O <sub>3</sub> -Ethylene Glycol C <sub>2</sub> H <sub>6</sub> O <sub>2</sub> Nanofluid Flow Based upon KKL Model. <i>Inventions</i> , <b>2020</b> , 5, 45	2.9	23
83	Biologically Inspired Intra-Uterine Nanofluid Flow under the Suspension of Magnetized Gold (Au) Nanoparticles: Applications in Nanomedicine. <i>Inventions</i> , <b>2021</b> , 6, 28	2.9	23
82	Simultaneous effects of chemical reaction and Ohmic heating with heat and mass transfer over a stretching surface: A numerical study. <i>Chinese Journal of Chemical Engineering</i> , <b>2017</b> , 25, 1137-1142	3.2	22
81	Aiding and opposing of mixed convection Casson nanofluid flow with chemical reactions through a porous Riga plate. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , <b>2018</b> , 232, 519-527	1.5	22
80	HEAT AND MASS TRANSFER ANALYSIS ON PERISTALTIC FLOW OF PARTICLE-FLUID SUSPENSION WITH SLIP EFFECTS. <i>Journal of Mechanics in Medicine and Biology</i> , <b>2017</b> , 17, 1750028	0.7	21
79	Electro-osmotic flow of hydromagnetic dusty viscoelastic fluids in a microchannel propagated by peristalsis. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 314, 113568	6	21
78	Influence of bioconvection on Maxwell nanofluid flow with the swimming of motile microorganisms over a vertical rotating cylinder. <i>Chinese Journal of Physics</i> , <b>2020</b> , 68, 558-577	3.5	21
77	Study of variable magnetic field and endoscope on peristaltic blood flow of particle-fluid suspension through an annulus. <i>Biomedical Engineering Letters</i> , <b>2016</b> , 6, 242-249	3.6	21
76	Thermally developed coupled stress particle-fluid motion with mass transfer and peristalsis. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 143, 2515-2524	4.1	21

75	Study of heat and mass transfer on MHD WaltersB?nanofluid flow induced by a stretching porous surface. <i>AEJ - Alexandria Engineering Journal</i> , <b>2018</b> , 57, 2435-2443	6.1	20
74	Effects of CuAg hybrid nanoparticles on the momentum and thermal boundary layer flow over the wedge. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , <b>2019</b> , 233, 1128-1136	1.5	19
73	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> , <b>2017</b> , 39, 3259-3267	2	18
72	Peristaltic propulsion of particulate non-Newtonian Ree-Eyring fluid in a duct through constant magnetic field. <i>AEJ - Alexandria Engineering Journal</i> , <b>2018</b> , 57, 1055-1060	6.1	18
71	Heat and mass transfer analysis on MHD blood flow of Casson fluid model due to peristaltic wave. <i>Thermal Science</i> , <b>2018</b> , 22, 2439-2448	1.2	18
70	Entropy Generation with nonlinear heat and Mass transfer on MHD Boundary Layer over a Moving Surface using SLM. <i>Nonlinear Engineering</i> , <b>2017</b> , 6,	3	17
69	Numerical modeling of turbulent behavior of nanomaterial exergy loss and flow through a circular channel. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 144, 973-981	4.1	17
68	Residual time of sinusoidal metachronal ciliary flow of non-Newtonian fluid through ciliated walls: fertilization and implantation. <i>Biomechanics and Modeling in Mechanobiology</i> , <b>2021</b> , 20, 609-630	3.8	17
67	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> , <b>2021</b> , 1	2.3	16
66	Stability analysis on the kerosene nanofluid flow with hybrid zinc/aluminum-oxide (ZnO-Al <sub>2</sub> O <sub>3</sub> ) nanoparticles under Lorentz force. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2021</b> , ahead-of-print,	4.5	16
65	Oxytactic Microorganisms and Thermo-Bioconvection Nanofluid Flow Over a Porous Riga Plate with DarcyBrinkmanBorchheimer Medium. <i>Journal of Non-Equilibrium Thermodynamics</i> , <b>2020</b> , 45, 257-268	3.8	15
64	DarcyBorchheimer higher-order slip flow of EyringBowell nanofluid with nonlinear thermal radiation and bioconvection phenomenon. <i>Journal of Dispersion Science and Technology</i> , <b>2021</b> , 1-11	1.5	14
63	Bioconvection Reiner-Rivlin Nanofluid Flow between Rotating Circular Plates with Induced Magnetic Effects, Activation Energy and Squeezing Phenomena. <i>Mathematics</i> , <b>2021</b> , 9, 2139	2.3	14
62	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> , <b>2021</b> , 46, 6039-6048	2.5	14
61	Magnetized peristaltic particlefluid propulsion with Hall and ion slip effects through a permeable channel. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2020</b> , 550, 123999	3.3	13
60	Bioconvection oblique motion of magnetized Oldroyd-B fluid through an elastic surface with suction/injection. <i>Chinese Journal of Physics</i> , <b>2021</b> , 73, 314-330	3.5	13
59	Computational Framework of Magnetized MgO-Ni/Water-Based Stagnation Nanoflow Past an Elastic Stretching Surface: Application in Solar Energy Coatings.. <i>Nanomaterials</i> , <b>2022</b> , 12,	5.4	13
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