Rabia Ellahi

List of Publications by Citations

273 papers	16,718 citations	74 h-index	115 g-index
286 ext. papers	18,875 ext. citations	3.2 avg, IF	7.92 L-index

#	Paper	IF	Citations
273	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	2.8	616
272	Three dimensional mesoscopic simulation of magnetic field effect on natural convection of nanofluid. *International Journal of Heat and Mass Transfer*, **2015**, 89, 799-808	4.9	515
271	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	4.5	432
270	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
269	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
268	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
267	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	2.8	219
266	Volume of fluid model to simulate the nanofluid flow and entropy generation in a single slope solar still. *Renewable Energy*, **2018**, 115, 400-410	8.1	212
265	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	0.3	207
264	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
263	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
262	Series solutions of non-Newtonian nanofluids with Reynolds□model and Vogel□ model by means of the homotopy analysis method. *Mathematical and Computer Modelling*, **2012**, 55, 1876-1891		178
261	On boundary layer nano-ferroliquid flow under the influence of low oscillating stretchable rotating disk. *Journal of Molecular Liquids*, **2017**, 229, 339-345	6	174
260	Influences of wavy wall and nanoparticles on entropy generation over heat exchanger plat. *International Journal of Heat and Mass Transfer*, **2017**, 109, 1162-1171	4.9	168
259	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	1.4	166
258	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	4.5	162
257	Convective heat transfer of nanofluid in a wavy channel: Buongiorno's mathematical model. *Journal of Molecular Liquids*, **2016**, 222, 446-455	6	160

256	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
255	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
254	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	2.3	152
253	Simultaneous effects of nanoparticles and slip on Jeffrey fluid through tapered artery with mild stenosis. *Journal of Molecular Liquids*, **2016**, 218, 484-493	6	146
252	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	2.3	142
251	Electrohydrodynamic Nanofluid Hydrothermal Treatment in an Enclosure with Sinusoidal Upper Wall. *Applied Sciences (Switzerland)*, **2015**, 5, 294-306	2.6	141
250	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	5.2	140
249	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	6	140
248	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	2.8	138
247	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	2.8	137
246	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
245	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	3	136
244	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	4.9	135
243	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
242	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	5.8	132
241	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
240	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
239	Analytical solutions for MHD flow in a third-grade fluid with variable viscosity. *Mathematical and Computer Modelling*, **2010**, 52, 1783-1793		122

238	EXPLORATION OF CONVECTIVE HEAT TRANSFER AND FLOW CHARACTERISTICS SYNTHESIS BY Cu–Ag/WATER HYBRID-NANOFLUIDS. *Heat Transfer Research*, **2018**, 49, 1837-1848	3.9	120
237	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
236	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
235	Numerical study on mixed convection of a non-Newtonian nanofluid with porous media in a two lid-driven square cavity. *Journal of Thermal Analysis and Calorimetry*, **2020**, 140, 1121-1145	4.1	115
234	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
233	Effects of heat and mass transfer on peristaltic flow in a non-uniform rectangular duct. *International Journal of Heat and Mass Transfer*, **2014**, 71, 706-719	4.9	113
232	Effects of wavy surface characteristics on natural convection heat transfer in a cosine corrugated square cavity filled with nanofluid. *International Journal of Heat and Mass Transfer*, **2017**, 107, 1110-1118	4.9	113
231	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
230	EFFECTS OF MAGNETOHYDRODYNAMICS ON PERISTALTIC FLOW OF JEFFREY FLUID IN A RECTANGULAR DUCT THROUGH A POROUS MEDIUM. *Journal of Porous Media*, **2014**, 17, 143-157	2.9	106
229	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
228	Endoscope analysis on peristaltic blood flow of Sisko fluid with Titanium magneto-nanoparticles. *Computers in Biology and Medicine*, **2016**, 78, 29-41	7	103
227	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
226	NUMERICAL STUDY OF MOMENTUM AND HEAT TRANSFER OF MHD CARREAU NANOFLUID OVER AN EXPONENTIALLY STRETCHED PLATE WITH INTERNAL HEAT SOURCE/SINK AND RADIATION. *Heat Transfer Research*, **2019**, 50, 649-658	3.9	101
225	Numerical study of magnetohydrodynamics generalized Couette flow of Eyring-Powell fluid with heat transfer and slip condition. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2016**, 26, 1433-1445	4.5	101
224	Effects of hall and ion slip on MHD peristaltic flow of Jeffrey fluid in a non-uniform rectangular duct. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2016**, 26, 1802-1820	4.5	101
223	Numerical Simulation and Mathematical Modeling of Electro-Osmotic Couette–Poiseuille Flow of MHD Power-Law Nanofluid with Entropy Generation. *Symmetry*, **2019**, 11, 1038	2.7	100
222	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
221	Simultaneous effects of MHD and partial slip on peristaltic flow of Jeffery fluid in a rectangular duct. *Journal of Magnetism and Magnetic Materials*, **2015**, 393, 284-292	2.8	97

220	Influence of Induced Magnetic Field on Free Convection of Nanofluid Considering Koo-Kleinstreuer-Li (KKL) Correlation. *Applied Sciences (Switzerland)*, **2016**, 6, 324	2.6	96
219	Convection of heat and thermodynamic irreversibilities in two-phase, turbulent nanofluid flows in solar heaters by corrugated absorber plates. *Advanced Powder Technology*, **2018**, 29, 2243-2254	4.6	95
218	Swimming of Motile Gyrotactic Microorganisms and Nanoparticles in Blood Flow Through Anisotropically Tapered Arteries. *Frontiers in Physics*, **2020**, 8,	3.9	95
217	Effects of different shapes of nanoparticles on peristaltic flow of MHD nanofluids filled in an asymmetric channel. *Journal of Thermal Analysis and Calorimetry*, **2020**, 140, 879-890	4.1	93
216	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
215	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. *Journal of Molecular Liquids*, **2016**, 220, 888-901	6	92
214	A hybrid investigation on numerical and analytical solutions of electro-magnetohydrodynamics flow of nanofluid through porous media with entropy generation. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2019**, 30, 834-854	4.5	90
213	Pool boiling heat transfer characteristics of iron oxide nano-suspension under constant magnetic field. *International Journal of Thermal Sciences*, **2020**, 147, 106131	4.1	90
212	Interaction of nanoparticles for the peristaltic flow in an asymmetric channel with the induced magnetic field. *European Physical Journal Plus*, **2014**, 129, 1	3.1	89
211	Numerical investigation for second law analysis of ferrofluid inside a porous semi annulus. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2019**, 29, 1079-1102	4.5	88
210	Study of Activation Energy on the Movement of Gyrotactic Microorganism in a Magnetized Nanofluids Past a Porous Plate. *Processes*, **2020**, 8, 328	2.9	88
209	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
208	Significance of nonlinear thermal radiation in 3D Eyring–Powell nanofluid flow with Arrhenius activation energy. *Journal of Thermal Analysis and Calorimetry*, **2021**, 143, 929-944	4.1	85
207	STUDY OF HEAT AND MASS TRANSFER IN THE EYRING–POWELL MODEL OF FLUID PROPAGATING PERISTALTICALLY THROUGH A RECTANGULAR COMPLIANT CHANNEL. *Heat Transfer Research*, **2019**, 50, 1539-1560	3.9	84
206	Numerical investigation and sensitivity analysis of effective parameters on combined heat transfer performance in a porous solar cavity receiver by response surface methodology. *International Journal of Heat and Mass Transfer*, **2017**, 105, 811-825	4.9	83
205	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
204	On the Partition of Energies for the Backward in Time Problem of Thermoelastic Materials with a Dipolar Structure. *Symmetry*, **2019**, 11, 863	2.7	80
203	Bioconvection flow of magnetized Carreau nanofluid under the influence of slip over a wedge with motile microorganisms. *Journal of Thermal Analysis and Calorimetry*, **2021**, 143, 945-957	4.1	80

202	On solutions of Saint-Venant problem for elastic dipolar bodies with voids. *Carpathian Journal of Mathematics*, **2017**, 33, 219-232	1.3	79
201	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
200	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
199	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
198	Homogeneous-heterogeneous reactions in MHD flow of micropolar fluid by a curved stretching surface. *Journal of Molecular Liquids*, **2017**, 240, 209-220	6	73
197	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
196	Blood flow of Jeffrey fluid in a catherized tapered artery with the suspension of nanoparticles. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2014**, 378, 2973-2980	2.3	71
195	Darcy–Forchheimer flow of nanofluid due to a curved stretching surface. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2019**, 29, 2-20	4.5	71
194	Convective Heat Transfer and Particle Motion in an Obstructed Duct with Two Side by Side Obstacles by Means of DPM Model. *Applied Sciences (Switzerland)*, **2017**, 7, 431	2.6	70
193	Study of Two-Phase Newtonian Nanofluid Flow Hybrid with Hafnium Particles under the Effects of Slip. *Inventions*, **2020**, 5, 6	2.9	69
192	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	6.9	69
191	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	4.5	69
190	On squeezed flow of couple stress nanofluid between two parallel plates. *Results in Physics*, **2017**, 7, 553-561	3.7	68
189	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	2.8	67
188	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
187	On MHD nonlinear stretching flow of Powell–Eyring nanomaterial. *Results in Physics*, **2017**, 7, 535-543	3.7	65
186	Peristaltic Pumping of Nanofluids through a Tapered Channel in a Porous Environment: Applications in Blood Flow. *Symmetry*, **2019**, 11, 868	2.7	65
185	Numerical study of unsteady flow and heat transfer CNT-based MHD nanofluid with variable viscosity over a permeable shrinking surface. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2019**, 29, 4607-4623	4.5	65

184	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
183	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 **2019**, 93, 1		64
182	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
181	Blood flow of nanofluid through an artery with composite stenosis and permeable walls. *Applied Nanoscience (Switzerland)*, **2014**, 4, 919-926	3.3	61
180	STUDY OF PERISTALTIC FLOW OF NANOFLUID WITH ENTROPY GENERATION IN A POROUS MEDIUM. *Journal of Porous Media*, **2017**, 20, 461-478	2.9	61
179	Thermally Charged MHD Bi-Phase Flow Coatings with Non-Newtonian Nanofluid and Hafnium Particles along Slippery Walls. *Coatings*, **2019**, 9, 300	2.9	60
178	Mass transport on chemicalized fourth-grade fluid propagating peristaltically through a curved channel with magnetic effects. *Journal of Molecular Liquids*, **2018**, 258, 186-195	6	59
177	Mathematical Models of Electro-Magnetohydrodynamic Multiphase Flows Synthesis with Nano-Sized Hafnium Particles. *Applied Sciences (Switzerland)*, **2018**, 8, 275	2.6	59
176	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	2.4	58
175	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	3.7	58
174	Effects of the slip boundary condition on non-Newtonian flows in a channel. *Communications in Nonlinear Science and Numerical Simulation*, **2009**, 14, 1377-1384	3.7	57
173	Numerical Investigation on the Swimming of Gyrotactic Microorganisms in Nanofluids through Porous Medium over a Stretched Surface. *Mathematics*, **2020**, 8, 380	2.3	56
172	Peristaltic Flow of Carreau Fluid in a Rectangular Duct through a Porous Medium. *Mathematical Problems in Engineering*, **2012**, 2012, 1-24	1.1	56
171	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
170	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
169	Numerical study of surface radiation and combined natural convection heat transfer in a solar cavity receiver. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2017**, 27, 2385-2399	4.5	54
168	Three-dimensional flow analysis of Carreau fluid model induced by peristaltic wave in the presence of magnetic field. *Journal of Molecular Liquids*, **2017**, 241, 1059-1068	6	54
167	A Mathematical Study of Non-Newtonian Micropolar Fluid in Arterial Blood Flow Through Composite Stenosis. *Applied Mathematics and Information Sciences*, **2014**, 8, 1567-1573	2.4	54

166	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	3.9	54
165	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	4.1	54
164	Nano fluid flow in tapering stenosed arteries with permeable walls. *International Journal of Thermal Sciences*, **2014**, 85, 54-61	4.1	53
163	Effects of variable viscosity in a third grade fluid with porous medium: An analytic solution. *Communications in Nonlinear Science and Numerical Simulation*, **2009**, 14, 2056-2072	3.7	52
162	Peristaltic flow with thermal conductivity of H 2 O + Cu nanofluid and entropy generation. *Results in Physics*, **2015**, 5, 115-124	3.7	51
161	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
160	Hydromagnetic flow of Jeffrey nanofluid due to a curved stretching surface. *Physica A: Statistical Mechanics and Its Applications*, **2020**, 551, 124060	3.3	50
159	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	4.5	49
158	Series Solutions of Magnetohydrodynamic Peristaltic Flow of a Jeffrey Fluid in Eccentric Cylinders. *Applied Mathematics and Information Sciences*, **2013**, 7, 1441-1449	2.4	49
157	Thermal, microrotation, electromagnetic field and nanoparticle shape effects on Cu-CuO/blood flow in microvascular vessels. *Microvascular Research*, **2020**, 132, 104065	3.7	49
156	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
155	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
154	Homotopy Solution for the Channel Flow of a Third Grade Fluid. *Nonlinear Dynamics*, **2006**, 45, 55-64	5	46
153	Biologically inspired thermal transport on the rheology of Williamson hydromagnetic nanofluid flow with convection: an entropy analysis. *Journal of Thermal Analysis and Calorimetry*, **2021**, 144, 2187-2202	4.1	46
152	Thermally developed peristaltic propulsion of magnetic solid particles in biorheological fluids. *Indian Journal of Physics*, **2018**, 92, 423-430	1.4	46
151	A videographic assessment of ferrofluid during magnetic drug targeting: An application of artificial intelligence in nanomedicine. *Journal of Molecular Liquids*, **2019**, 285, 47-57	6	45
150	Study of Fe3O4-water nanofluid with convective heat transfer in the presence of magnetic source. *AEJ - Alexandria Engineering Journal*, **2018**, 57, 565-575	6.1	45
149	Peristaltic Flow of Couple Stress Fluid in a Non-Uniform Rectangular Duct Having Compliant Walls. *Communications in Theoretical Physics*, **2016**, 65, 66-72	2.4	45

148	Analysis of steady flows in viscous fluid with heat/mass transfer and slip effects. *International Journal of Heat and Mass Transfer*, **2012**, 55, 6384-6390	4.9	45
147	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	4.5	45
146	Exact traveling wave solutions of fractional order Boussinesq-like equations by applying Exp-function method. *Results in Physics*, **2018**, 8, 114-120	3.7	44
145	Flow of Viscous Nanofluid Between the Concentric Cylinders. *Journal of Computational and Theoretical Nanoscience*, **2014**, 11, 646-654	0.3	44
144	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
143	COMBINED POROUS AND MAGNETIC EFFECTS ON SOME FUNDAMENTAL MOTIONS OF NEWTONIAN FLUIDS OVER AN INFINITE PLATE. *Journal of Porous Media*, **2018**, 21, 589-605	2.9	43
142	Intra-uterine particle–fluid motion through a compliant asymmetric tapered channel with heat transfer. *Journal of Thermal Analysis and Calorimetry*, **2020**, 144, 2259	4.1	43
141	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
140	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
139	Peristaltic transport of a Carreau fluid in a compliant rectangular duct. *AEJ - Alexandria Engineering Journal*, **2014**, 53, 475-484	6.1	42
138	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	3.7	42
137	Bionic Study of Variable Viscosity on MHD Peristaltic Flow of Pseudoplastic Fluid in an Asymmetric Channel. *Journal of Magnetics*, **2016**, 21, 273-280	1.9	42
136	Some MHD Flows of a Second Grade Fluid through the Porous Medium. *Journal of Porous Media*, **2008**, 11, 389-400	2.9	41
135	Stress-jump and Continuity Interface Conditions for a Cylinder Embedded in a Porous Medium. *Transport in Porous Media*, **2015**, 107, 171-186	3.1	40
134	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
133	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
132	Simultaneous effects of melting heat and internal heat generation in stagnation point flow of Jeffrey fluid towards a nonlinear stretching surface with variable thickness. *International Journal of Thermal Sciences*, **2018**, 132, 344-354	4.1	39
131	Influence of heat generation and heat flux on peristaltic flow with interacting nanoparticles. *European Physical Journal Plus*, **2014**, 129, 1	3.1	39

130	UNSTEADY MAGNETOHYDRODYNAMIC NON-NEWTONIAN FLOW DUE TO NON-COAXIAL ROTATIONS OF DISK AND A FLUID AT INFINITY. *Chemical Engineering Communications*, **2007**, 194, 37-49	2.2	37
129	Exact solutions for thin film flow of a third grade fluid down an inclined plane. *Chaos, Solitons and Fractals*, **2008**, 38, 1336-1341	9.3	37
128	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
127	Effects of heat and mass transfer on peristaltic flow of a nanofluid between eccentric cylinders. *Applied Nanoscience (Switzerland)*, **2014**, 4, 393-404	3.3	36
126	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
125	Impulsion of induced magnetic field for Brownian motion of nanoparticles in peristalsis. *Applied Nanoscience (Switzerland)*, **2016**, 6, 359-370	3.3	35
124	Stability analysis for fractional-order partial differential equations by means of space spectral time Adams-Bashforth Moulton method. *Numerical Methods for Partial Differential Equations*, **2018**, 34, 19-29	2.5	35
123	Study of magnetic and heat transfer on the peristaltic transport of a fractional second grade fluid in a vertical tube **2015**, 18, 496-502		35
122	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	0.3	35
121	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. *Journal of Porous Media*, **2013**, 16, 59-67	2.9	35
120	A study of heat transfer in power law nanofluid. *Thermal Science*, **2016**, 20, 2015-2026	1.2	35
119	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	4.5	35
118	A theoretical study of Prandtl nanofluid in a rectangular duct through peristaltic transport. *Applied Nanoscience (Switzerland)*, **2014**, 4, 753-760	3.3	34
117	Effects of slip on the non-linear flows of a third grade fluid. *Nonlinear Analysis: Real World Applications*, **2010**, 11, 139-146	2.1	34
116	Role of hybrid nanoparticles in thermal performance of peristaltic flow of Eyring-Powell fluid model. *Journal of Thermal Analysis and Calorimetry*, **2021**, 143, 1021-1035	4.1	34
115	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	6.1	33
114	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
113	HALL EFFECTS ON UNSTEADY FLOW DUE TO NON-COAXIALLY ROTATING DISK AND A FLUID AT INFINITY. *Chemical Engineering Communications*, **2008**, 195, 958-976	2.2	33

112	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	5.3	33
111	Extracting new solitary wave solutions of Benny□uke equation and Phi-4 equation of fractional order by using (G?/G)-expansion method. *Optical and Quantum Electronics*, **2017**, 49, 1	2.4	32
110	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
109	Three dimensional peristaltic flow of Williamson fluid in a rectangular duct. *Indian Journal of Physics* , **2013**, 87, 1275-1281	1.4	32
108	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
107	Endoscopic Effects with Entropy Generation Analysis in Peristalsis for the Thermal Conductivity of Nanofluid. *Journal of Applied Fluid Mechanics*, **2016**, 9, 1721-1730	1.5	32
106	Electroosmosis modulated biomechanical transport through asymmetric microfluidics channel. *Indian Journal of Physics*, **2018**, 92, 1229-1238	1.4	31
105	Heat transfer with thermal radiation on MHD particle□uid suspension induced by metachronal wave **2017**, 89, 1		31
104	Dufour and Soret effects on Darcy-Forchheimer flow of second-grade fluid with the variable magnetic field and thermal conductivity. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2020**, 30, 4331-4347	4.5	31
103	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	3.7	30
102	Unsteady periodic flows lows of a magnetohydrodynamic fluid due to noncoxial rotations of a porous disk and a fluid at infinity. *Mathematical and Computer Modelling*, **2004**, 40, 173-179		30
101	Stagnation-point flow of second grade nanofluid towards a nonlinear stretching surface with variable thickness. *Results in Physics*, **2017**, 7, 2821-2830	3.7	29
100	Peristaltic Transport of a Jeffrey Fluid with Variable Viscosity through a Porous Medium in an Asymmetric Channel. *Advances in Mathematical Physics*, **2012**, 2012, 1-15	1.1	29
99	Hall Effect on Falkner□kan Boundary Layer Flow of FENE-P Fluid over a Stretching Sheet. *Communications in Theoretical Physics*, **2016**, 66, 547-554	2.4	28
98	Modeling and simulations of CoViD-19 molecular mechanism induced by cytokines storm during SARS-CoV2 infection. *Journal of Molecular Liquids*, **2021**, 327, 114863	6	28
97	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
96	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	2.7	26
95	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

94	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
93	On the decay of exponential type for the solutions in a dipolar elastic body. *Journal of Taibah University for Science*, **2020**, 14, 534-540	3	24
92	Exact solution of a thin film flow of an Oldroyd 6-constant fluid over a moving belt. *Communications in Nonlinear Science and Numerical Simulation*, **2009**, 14, 133-139	3.7	24
91	Study of peristaltic flow of magnetohydrodynamics Walter's B fluid with slip and heat transfer. *Scientia Iranica*, **2016**, 23, 2650-2662	1.5	24
90	Electromagnetohydrodynamic (EMHD) peristaltic flow of solid particles in a third-grade fluid with heat transfer. *Mechanics and Industry*, **2017**, 18, 314	0.8	23
89	Thin film flow of non-Newtonian MHD fluid on a vertically moving belt. *International Journal for Numerical Methods in Fluids*, **2011**, 66, 1409-1419	1.9	23
88	ANALYSIS OF SOME MAGNETOHYDRODYNAMIC FLOWS OF THIRD-ORDER FLUID SATURATING POROUS SPACE. *Journal of Porous Media*, **2015**, 18, 89-98	2.9	23
87	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
86	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	4.1	23
85	Exact Solutions of Flows of an Oldroyd 8-Constant Fluid with Nonlinear Slip Conditions. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2010**, 65, 1081-1086	1.4	22
84	Simulating phase change during the droplet deformation and impact on a wet surface in a square microchannel: An application of oil drops collision. *European Physical Journal Plus*, **2018**, 133, 1	3.1	21
83	The Study of Peristaltic Motion of Third Grade Fluid under the Effects of Hall Current and Heat Transfer. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2015**, 70, 281-293	1.4	21
82	Evacuating liquid coatings from a diffusive oblique fin in micro-/mini-channels. *Journal of Thermal Analysis and Calorimetry*, **2019**, 138, 255-263	4.1	20
81	Buoyancy Driven Flow with Gas-Liquid Coatings of Peristaltic Bubbly Flow in Elastic Walls. *Coatings*, **2020**, 10, 115	2.9	20
80	The influence of wall flexibility on unsteady peristaltic flow of Prandtl fluid in a three dimensional rectangular duct. *Applied Mathematics and Computation*, **2014**, 241, 389-400	2.7	20
79	Mathematical model for the peristaltic flow of Jeffrey fluid with nanoparticles phenomenon through a rectangular duct. *Applied Nanoscience (Switzerland)*, **2014**, 4, 613-624	3.3	20
78	On the analytic solution of nonlinear flow problem involving Oldroyd 8-constant fluid. *Mathematical and Computer Modelling*, **2008**, 48, 1191-1200		20
77	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	3.3	19

76	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
75	Series solution of unsteady peristaltic flow of a Carreau fluid in eccentric cylinders. *Ain Shams Engineering Journal*, **2014**, 5, 293-304	4.4	19
74	Analytical Solutions of Unsteady Blood Flow of Jeffery Fluid Through Stenosed Arteries with PermeableWalls. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2013**, 68, 489-498	1.4	19
73	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
72	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
71	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
70	The Thermodynamics, Stability, Applications and Techniques of Differential Type: A Review. *Reviews in Theoretical Science*, **2014**, 2, 116-123		17
69	Hybrid nanofluid flow towards an elastic surface with tantalum and nickel nanoparticles, under the influence of an induced magnetic field. *European Physical Journal: Special Topics*, **2021**, 1	2.3	16
68	The Analytical Solutions for Magnetohydrodynamic Flow of a Third Order Fluid in a Porous Medium. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2009**, 64, 531-539	1.4	15
67	Numerical Results of a Flow in a Third Grade Fluid between Two Porous Walls. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2009**, 64, 59-64	1.4	15
66	MHD unsteady flows due to non-coaxial rotations of a disk and a fluid at infinity. *Acta Mechanica Sinica/Lixue Xuebao*, **2003**, 19, 235-240	2	15
65	Oxytactic Microorganisms and Thermo-Bioconvection Nanofluid Flow Over a Porous Riga Plate with Darcy–Brinkman–Forchheimer Medium. *Journal of Non-Equilibrium Thermodynamics*, **2020**, 45, 257-268	3.8	15
64	CNT suspended CuO+H2O nano fluid and energy analysis for the peristaltic flow in a permeable channel. *AEJ - Alexandria Engineering Journal*, **2015**, 54, 623-633	6.1	14
63	On the fractional-order model of HIV-1 infection of CD4+ T-cells under the influence of antiviral drug treatment. *Journal of Taibah University for Science*, **2020**, 14, 50-59	3	14
62	A study on the mixed convection boundary layer flow and heat transfer over a vertical slender cylinder. *Thermal Science*, **2014**, 18, 1247-1258	1.2	14
61	Shock waves in a Z-pinch and the formation of high energy density plasma. *Physics of Plasmas*, **2012**, 19, 122701	2.1	14
60	Numerical and analytical solutions of an Oldroyd 8-constant MHD fluid with nonlinear slip conditions. *International Journal for Numerical Methods in Fluids*, **2011**, 67, 1234-1246	1.9	14
59	Analytic solutions for MHD flow in an annulus. *Communications in Nonlinear Science and Numerical Simulation*, **2010**, 15, 1224-1227	3.7	14

58	On bio-convection thermal radiation in Darcy Forchheimer flow of nanofluid with gyrotactic motile microorganism under Wu slip over stretching cylinder/plate. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2021**, 31, 1520-1546	4.5	14
57	CuO Water Nanofluid Magnetohydrodynamic Natural Convection inside a Sinusoidal Annulus in Presence of Melting Heat Transfer. *Mathematical Problems in Engineering*, **2017**, 2017, 1-9	1.1	13
56	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	1.4	13
55	Peristaltic flow of a Jeffrey fluid in a rectangular duct having compliant walls. *Chemical Industry and Chemical Engineering Quarterly*, **2013**, 19, 399-409	0.7	13
54	Influence of a Partial Slip on Flows of a Second Grade Fluid in a Porous Medium. *Journal of Porous Media*, **2007**, 10, 797-805	2.9	13
53	Peristaltic Flow of Viscous Fluid in a Rectangular Duct with Compliant Walls. *Computational Mathematics and Modeling*, **2014**, 25, 404-415	0.5	12
52	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
51	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	1.1	12
50	On comparison of exact and series solutions for thin film flow of a third-grade fluid. *International Journal for Numerical Methods in Fluids*, **2009**, 61, 987-994	1.9	12
49	Thermal and concentration convection in nanofluids for peristaltic flow of magneto couple stress fluid in a nonuniform channel. *Journal of Thermal Analysis and Calorimetry*, **2021**, 144, 2203	4.1	12
48	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
47	Recent Advances in the Application of Differential Equations in Mechanical Engineering Problems. *Mathematical Problems in Engineering*, **2018**, 2018, 1-3	1.1	12
46	Mathematical Analysis of Maxwell Fluid Flow through a Porous Plate Channel Induced by a Constantly Accelerating or Oscillating Wall. *Mathematics*, **2021**, 9, 90	2.3	12
45	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	0.7	11
44	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	1.4	11
43	On comparison of series and numerical solutions for second Painlevé equation. *Numerical Methods for Partial Differential Equations*, **2010**, 26, 1070-1078	2.5	11
42	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
41	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

40	Non-uniform pumping flow model for the couple stress particle-fluid under magnetic effects. *Chemical Engineering Communications*, **2021**, 1-12	2.2	10
39	Series solution of unsteady peristaltic flow of a Carreau fluid in small intestines. *International Journal of Biomathematics*, **2014**, 07, 1450049	1.8	9
38	Exact solutions for Couette and Poiseuille flows for fourth grade fluids. *Acta Mechanica*, **2007**, 188, 69-78	2.1	9
37	Numerical experiment to examine activation energy and bi-convection Carreau nanofluid flow on an upper paraboloid porous surface: Application in solar energy. *Sustainable Energy Technologies and Assessments*, **2022**, 52, 102029	4.7	9
36	Couette Flow of a Burgers' Fluid with Rotation. *International Journal of Fluid Mechanics Research*, **2007**, 34, 548-561	4.3	9
35	Mathematical model for the peristaltic flow of nanofluid through eccentric tubes comprising porous medium. *Applied Nanoscience (Switzerland)*, **2014**, 4, 733-743	3.3	8
34	Exact Solution of Oscillatory Rotating Flows of a Generalized Oldroyd-B Fluid through Porous Medium. *Journal of Porous Media*, **2009**, 12, 777-788	2.9	8
33	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
32	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
31	Insight into the investigation of diamond (C) and Silica (SiO2) nanoparticles suspended in water-based hybrid nanofluid with application in solar collector. *Journal of Molecular Liquids*, **2022**, 357, 119134	6	8
30	ANTI-BACTERIAL APPLICATIONS FOR NEW THERMAL CONDUCTIVITY MODEL IN ARTERIES WITH CNT SUSPENDED NANOFLUID. *Journal of Mechanics in Medicine and Biology*, **2016**, 16, 1650063	0.7	7
29	Blood flow study of Williamson fluid through stenosed arteries with permeable walls. *European Physical Journal Plus*, **2014**, 129, 1	3.1	7
28	The influence of Hall current in a circular duct. *Nonlinear Analysis: Real World Applications*, **2010**, 11, 184-189	1.8	7
27	Entropy Analysis for Cilia-Generated Motion of Cu-Blood Flow of Nanofluid in an Annulus. *Symmetry*, **2021**, 13, 2358	2.7	7
26	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
25	Dufour, Soret and radiation effects with magnetic dipole on Powell-Eyring fluid flow over a stretching sheet. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2021**, 31, 1085-1103	4.5	7
24	Effects of the wall properties on unsteady peristaltic flow of an Eyring–Powell fluid in a three-dimensional rectangular duct. *International Journal of Biomathematics*, **2015**, 08, 1550081	1.8	6
23	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

22	Fundamental flows with nonlinear slip conditions: exact solutions. *Zeitschrift Fur Angewandte Mathematik Und Physik*, **2010**, 61, 877-888	1.6	6
21	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. *Journal of Thermal Analysis and Calorimetry*, **2020**, 144, 2557	4.1	6
20	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
19	Numerical investigation of heat and mass transfer flow under the influence of silicon carbide by means of plasma-enhanced chemical vapor deposition vertical reactor. *Neural Computing and Applications*, **2018**, 30, 3721-3731	4.8	5
18	Mechanisms of Different Nanoclusters in Nanobased Fluids with Natural Convection and Variable surface. *Mathematical Sciences Letters*, **2016**, 5, 1-7	4	5
17	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*, **2020**, 1-20	1.6	5
16	A semigroup of contractions in elasticity of porous bodies. *Continuum Mechanics and Thermodynamics*, **2021**, 33, 2027-2037	3.5	5
15	Heat transfer analysis of tangent hyperbolic nanofluid in a ciliated tube with entropy generation. *Journal of Thermal Analysis and Calorimetry*, **2021**, 144, 2337	4.1	5
14	Exact Solutions on MHD Flow Past an Accelerated Porous Plate in a Rotating Frame. *Chinese Physics Letters*, **2011**, 28, 054701	1.8	4
13	A uniqueness result for final boundary value problem of microstretch bodies. *Journal of Nonlinear Science and Applications*, **2017**, 10, 1908-1918	1.9	4
12	Concentration gradients of turbulent flows of viscous fluid in a multi-chambered reactor: Application of solar energy system in oil industry. *Sustainable Energy Technologies and Assessments*, **2021**, 45, 101140	4.7	4
11	Analytical Solutions of Upper Convected Maxwell Fluid with Exponential Dependence of Viscosity under the Influence of Pressure. *Mathematics*, **2021**, 9, 334	2.3	4
10	Influence of heat transfer on MHD Carreau fluid flow due to motile cilia in a channel. *Journal of Thermal Analysis and Calorimetry*, **2021**, 144, 2317	4.1	4
9	Factors important to psychiatrists when prescribing depot antipsychotics. *Progress in Neurology and Psychiatry*, **2016**, 20, 16-20	0.8	2
8	Effect of heat transfer on a third grade fluid in a flat channel. *International Journal for Numerical Methods in Fluids*, **2009**, 63, n/a-n/a	1.9	2
7	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	0.6	2
6	Transport of Jeffrey fluid in a rectangular slit of the microchannel under the effect of uniform reabsorption and a porous medium. *Communications in Theoretical Physics*, **2021**, 73, 115003	2.4	2
5	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	2.1	2

4	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	2.1	1
3	Thermal management. *Journal of Thermal Analysis and Calorimetry*, **2021**, 143, 1811-1814	4.1	0
2	Serotonin syndrome 100 words. *British Journal of Psychiatry*, **2015**, 207, 298-298	5.4	
1	Interrater reliability of 2 definitions of seizure adequacy in electroconvulsive therapy. *Journal of ECT*, **2013**, 29, 21-4	2	