

Rabia Ellahi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Numerical experiment to examine activation energy and bi-convection Carreau nanofluid flow on an upper paraboloid porous surface: Application in solar energy. <i>Sustainable Energy Technologies and Assessments</i> , 2022 , 52, 102029	4.7	9
272	Electromagnetic Flow of SWCNT/MWCNT Suspensions in Two Immiscible Water- and Engine-Oil-Based Newtonian Fluids through Porous Media. <i>Symmetry</i> , 2022 , 14, 406	2.7	8
271	Effects of Magnetohydrodynamics Flow on Multilayer Coatings of Newtonian and Non-Newtonian Fluids through Porous Inclined Rotating Channel. <i>Coatings</i> , 2022 , 12, 430	2.9	6
270	Insight into the investigation of diamond (C) and Silica (SiO ₂) nanoparticles suspended in water-based hybrid nanofluid with application in solar collector. <i>Journal of Molecular Liquids</i> , 2022 , 357, 119134	6	8
269	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> , 2021 , 1	2.3	16
268	Entropy Analysis for Cilia-Generated Motion of Cu-Blood Flow of Nanofluid in an Annulus. <i>Symmetry</i> , 2021 , 13, 2358	2.7	7
267	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> , 2021 , 103511	7.8	36
266	Sinusoidal motion of small particles through a Darcy-Brinkman-Forchheimer microchannel filled with non-Newtonian fluid under electro-osmotic forces. <i>Journal of Taibah University for Science</i> , 2021 , 15, 514-529	3	23
265	A semigroup of contractions in elasticity of porous bodies. <i>Continuum Mechanics and Thermodynamics</i> , 2021 , 33, 2027-2037	3.5	5
264	Heat transfer analysis of tangent hyperbolic nanofluid in a ciliated tube with entropy generation. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 144, 2337	4.1	5
263	Non-uniform pumping flow model for the couple stress particle-fluid under magnetic effects. <i>Chemical Engineering Communications</i> , 2021 , 1-12	2.2	10
262	Concentration gradients of turbulent flows of viscous fluid in a multi-chambered reactor: Application of solar energy system in oil industry. <i>Sustainable Energy Technologies and Assessments</i> , 2021 , 45, 101140	4.7	4
261	Bioconvection flow of magnetized Carreau nanofluid under the influence of slip over a wedge with motile microorganisms. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 945-957	4.1	80
260	Significance of nonlinear thermal radiation in 3D Eyring-Bowell nanofluid flow with Arrhenius activation energy. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 929-944	4.1	85
259	Numerical investigation on bioconvection flow of Oldroyd-B nanofluid with nonlinear thermal radiation and motile microorganisms over rotating disk. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 145, 523-539	4.1	23
258	Role of hybrid nanoparticles in thermal performance of peristaltic flow of Eyring-Bowell fluid model. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 1021-1035	4.1	34
257	Biologically inspired thermal transport on the rheology of Williamson hydromagnetic nanofluid flow with convection: an entropy analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 144, 2187-2202	4.1	46

256	Dufour, Soret and radiation effects with magnetic dipole on Powell-Eyring fluid flow over a stretching sheet. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2021 , 31, 1085-1103	4.5	7
255	Thermal and mechanical design of tangential hybrid microchannel and high-conductivity inserts for cooling of disk-shaped electronic components. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 2125-2133	4.1	25
254	Modeling and simulations of CoViD-19 molecular mechanism induced by cytokines storm during SARS-CoV2 infection. <i>Journal of Molecular Liquids</i> , 2021 , 327, 114863	6	28
253	Thermal management. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 1811-1814	4.1	0
252	On bio-convection thermal radiation in Darcy Forchheimer flow of nanofluid with gyrotactic motile microorganism under Wuß slip over stretching cylinder/plate. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2021 , 31, 1520-1546	4.5	14
251	Thermal and concentration convection in nanofluids for peristaltic flow of magneto couple stress fluid in a nonuniform channel. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 144, 2203	4.1	12
250	Analytical Solutions of Upper Convected Maxwell Fluid with Exponential Dependence of Viscosity under the Influence of Pressure. <i>Mathematics</i> , 2021 , 9, 334	2.3	4
249	Influence of heat transfer on MHD Carreau fluid flow due to motile cilia in a channel. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 144, 2317	4.1	4
248	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> , 2021 , 124, 98-105	5.3	33
247	Transport of Jeffrey fluid in a rectangular slit of the microchannel under the effect of uniform reabsorption and a porous medium. <i>Communications in Theoretical Physics</i> , 2021 , 73, 115003	2.4	2
246	Mathematical Analysis of Maxwell Fluid Flow through a Porous Plate Channel Induced by a Constantly Accelerating or Oscillating Wall. <i>Mathematics</i> , 2021 , 9, 90	2.3	12
245	Thermal and concentration analysis of Phan-Thien-Tanner fluid flow due to ciliary movement in a peripheral layer. <i>Journal of Central South University</i> , 2021 , 28, 3327-3339	2.1	1
244	Significance of induced magnetic field and variable thermal conductivity on stagnation point flow of second grade fluid. <i>Journal of Central South University</i> , 2021 , 28, 3381-3390	2.1	2
243	Boiling heat transfer characteristics of graphene oxide nanoplatelets nano-suspensions of water-perfluorohexane (C6F14) and water-n-pentane. <i>AEJ - Alexandria Engineering Journal</i> , 2020 , 59, 4511-4521	6.1	33
242	On the decay of exponential type for the solutions in a dipolar elastic body. <i>Journal of Taibah University for Science</i> , 2020 , 14, 534-540	3	24
241	Study of Activation Energy on the Movement of Gyrotactic Microorganism in a Magnetized Nanofluids Past a Porous Plate. <i>Processes</i> , 2020 , 8, 328	2.9	88
240	Numerical Investigation on the Swimming of Gyrotactic Microorganisms in Nanofluids through Porous Medium over a Stretched Surface. <i>Mathematics</i> , 2020 , 8, 380	2.3	56
239	Buoyancy Driven Flow with Gas-Liquid Coatings of Peristaltic Bubbly Flow in Elastic Walls. <i>Coatings</i> , 2020 , 10, 115	2.9	20

238	Boundary layer flow due to a nonlinear stretching curved surface with convective boundary condition and homogeneous-heterogeneous reactions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020 , 551, 123996	3.3	19
237	Hydromagnetic flow of Jeffrey nanofluid due to a curved stretching surface. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020 , 551, 124060	3.3	50
236	Study of Two-Phase Newtonian Nanofluid Flow Hybrid with Hafnium Particles under the Effects of Slip. <i>Inventions</i> , 2020 , 5, 6	2.9	69
235	On the fractional-order model of HIV-1 infection of CD4+ T-cells under the influence of antiviral drug treatment. <i>Journal of Taibah University for Science</i> , 2020 , 14, 50-59	3	14
234	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> , 2020 , 12, 532	2.7	26
233	Oxytactic Microorganisms and Thermo-Bioconvection Nanofluid Flow Over a Porous Riga Plate with Darcy-Brinkman-Forchheimer Medium. <i>Journal of Non-Equilibrium Thermodynamics</i> , 2020 , 45, 257-268	3.8	15
232	HEAT TRANSFER IN MAGNETITE (Fe ₃ O ₄) NANOPARTICLES SUSPENDED IN CONVENTIONAL FLUIDS: REFRIGERANT-134A (C ₂ H ₂ F ₄), KEROSENE (C ₁₀ H ₂₂), AND WATER (H ₂ O) UNDER THE IMPACT OF DIPOLE. <i>Heat Transfer Research</i> , 2020 , 51, 217-232	3.9	32
231	Mathematical Analysis on an Asymmetrical Wavy Motion of Blood under the Influence Entropy Generation with Convective Boundary Conditions. <i>Symmetry</i> , 2020 , 12, 102	2.7	40
230	Enhancement of heat transfer in peristaltic flow in a permeable channel under induced magnetic field using different CNTs. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 140, 1277-1291	4.1	54
229	Peristaltic propulsion of Jeffrey nano-liquid and heat transfer through a symmetrical duct with moving walls in a porous medium. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020 , 545, 123788	3.3	55
228	Intra-uterine particle fluid motion through a compliant asymmetric tapered channel with heat transfer. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 144, 2259	4.1	43
227	Thermal, microrotation, electromagnetic field and nanoparticle shape effects on Cu-CuO/blood flow in microvascular vessels. <i>Microvascular Research</i> , 2020 , 132, 104065	3.7	49
226	Numerical investigation on activation energy of chemically reactive heat transfer unsteady flow with multiple slips. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2020 , 30, 4955-4977	4.5	7
225	Dufour and Soret effects on Darcy-Forchheimer flow of second-grade fluid with the variable magnetic field and thermal conductivity. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2020 , 30, 4331-4347	4.5	31
224	Blood flow of MHD non-Newtonian nanofluid with heat transfer and slip effects. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2020 , 30, 4883-4908	4.5	35
223	Simulation of cavitation of spherically shaped hydrogen bubbles through a tube nozzle with stenosis. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2020 , 30, 2535-2549	4.5	11
222	Magnetized Jeffrey nanofluid with energy loss in between an annular part of two micro non-concentric pipes. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020 , 1-20	1.6	5
221	A study on the effect of magnetic field and the sinusoidal boundary condition on free convective heat transfer of non-Newtonian power-law fluid in a square enclosure with two constant-temperature obstacles using lattice Boltzmann method. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 144, 2557	4.1	6

220	Effects of different shapes of nanoparticles on peristaltic flow of MHD nanofluids filled in an asymmetric channel. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 140, 879-890	4.1	93
219	Numerical study on mixed convection of a non-Newtonian nanofluid with porous media in a two lid-driven square cavity. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 140, 1121-1145	4.1	115
218	Pool boiling heat transfer characteristics of iron oxide nano-suspension under constant magnetic field. <i>International Journal of Thermal Sciences</i> , 2020 , 147, 106131	4.1	90
217	Swimming of Motile Gyrotactic Microorganisms and Nanoparticles in Blood Flow Through Anisotropically Tapered Arteries. <i>Frontiers in Physics</i> , 2020 , 8,	3.9	95
216	Numerical investigation for second law analysis of ferrofluid inside a porous semi annulus. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019 , 29, 1079-1102	4.5	88
215	Two-Phase Couette Flow of Couple Stress Fluid with Temperature Dependent Viscosity Thermally Affected by Magnetized Moving Surface. <i>Symmetry</i> , 2019 , 11, 647	2.7	42
214	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
213	A study of gravitational and magnetic effects on coupled stress bi-phase liquid suspended with crystal and Hafnium particles down in steep channel. <i>Journal of Molecular Liquids</i> , 2019 , 286, 110898	6	32
212	Thermally Charged MHD Bi-Phase Flow Coatings with Non-Newtonian Nanofluid and Hafnium Particles along Slippery Walls. <i>Coatings</i> , 2019 , 9, 300	2.9	60
211	Evacuating liquid coatings from a diffusive oblique fin in micro-/mini-channels. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 138, 255-263	4.1	20
210	A videographic assessment of ferrofluid during magnetic drug targeting: An application of artificial intelligence in nanomedicine. <i>Journal of Molecular Liquids</i> , 2019 , 285, 47-57	6	45
209	Effects of Radiative Electro-Magneto-hydrodynamics Diminishing Internal Energy of Pressure-Driven Flow of Titanium Dioxide-Water Nanofluid due to Entropy Generation. <i>Entropy</i> , 2019 , 21,	2.8	72
208	Peristaltic Blood Flow of Couple Stress Fluid Suspended with Nanoparticles under the Influence of Chemical Reaction and Activation Energy. <i>Symmetry</i> , 2019 , 11, 276	2.7	105
207	Effects of coagulation on the two-phase peristaltic pumping of magnetized prandtl biofluid through an endoscopic annular geometry containing a porous medium. <i>Chinese Journal of Physics</i> , 2019 , 58, 222-234	3.5	86
206	A comparative study on magnetic and non-magnetic particles in nanofluid propagating over a wedge. <i>Canadian Journal of Physics</i> , 2019 , 97, 277-285	1.1	48
205	Analysis of natural convective flow of non-Newtonian fluid under the effects of nanoparticles of different materials. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2019 , 233, 643-652	1.5	25
204	Numerical Simulation and Mathematical Modeling of Electro-Osmotic Couette-Boiseuille Flow of MHD Power-Law Nanofluid with Entropy Generation. <i>Symmetry</i> , 2019 , 11, 1038	2.7	100
203	On the Partition of Energies for the Backward in Time Problem of Thermoelastic Materials with a Dipolar Structure. <i>Symmetry</i> , 2019 , 11, 863	2.7	80

202	Peristaltic Pumping of Nanofluids through a Tapered Channel in a Porous Environment: Applications in Blood Flow. <i>Symmetry</i> , 2019 , 11, 868	2.7	65
201	Numerical study of heat transfer and Hall current impact on peristaltic propulsion of particle-fluid suspension with compliant wall properties. <i>Modern Physics Letters B</i> , 2019 , 33, 1950439	1.6	113
200	NUMERICAL STUDY OF MOMENTUM AND HEAT TRANSFER OF MHD CARREAU NANOFUID OVER AN EXPONENTIALLY STRETCHED PLATE WITH INTERNAL HEAT SOURCE/SINK AND RADIATION. <i>Heat Transfer Research</i> , 2019 , 50, 649-658	3.9	101
199	EFFECTS OF CHEMICAL REACTION ON THIRD-GRADE MHD FLUID FLOW UNDER THE INFLUENCE OF HEAT AND MASS TRANSFER WITH VARIABLE REACTIVE INDEX. <i>Heat Transfer Research</i> , 2019 , 50, 1061-1080	3.9	54
198	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> , 2019 , 50, 1539-1560	3.9	84
197	A hybrid investigation on numerical and analytical solutions of electro-magnetohydrodynamics flow of nanofluid through porous media with entropy generation. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019 , 30, 834-854	4.5	90
196	Numerical study on bi-phase coupled stress fluid in the presence of Hafnium and metallic nanoparticles over an inclined plane. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019 , 29, 2854-2869	4.5	48
195	Numerical study of unsteady flow and heat transfer CNT-based MHD nanofluid with variable viscosity over a permeable shrinking surface. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019 , 29, 4607-4623	4.5	65
194	Effects of mass transfer on MHD second grade fluid towards stretching cylinder: A novel perspective of Cattaneo-Christov heat flux model. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019 , 383, 276-281	2.3	142
193	Convective radiative plane Poiseuille flow of nanofluid through porous medium with slip: An application of Stefan blowing. <i>Journal of Molecular Liquids</i> , 2019 , 273, 292-304	6	180
192	Darcy-Borchheimer flow of nanofluid due to a curved stretching surface. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019 , 29, 2-20	4.5	71
191	Mathematical modeling of heat and mass transfer effects on MHD peristaltic propulsion of two-phase flow through a Darcy-Brinkman-Forchheimer porous medium. <i>Advanced Powder Technology</i> , 2018 , 29, 1189-1197	4.6	109
190	Exact traveling wave solutions of fractional order Boussinesq-like equations by applying Exp-function method. <i>Results in Physics</i> , 2018 , 8, 114-120	3.7	44
189	Analysis of activation energy in Couette-Poiseuille flow of nanofluid in the presence of chemical reaction and convective boundary conditions. <i>Results in Physics</i> , 2018 , 8, 502-512	3.7	126
188	Mass transport on chemicalized fourth-grade fluid propagating peristaltically through a curved channel with magnetic effects. <i>Journal of Molecular Liquids</i> , 2018 , 258, 186-195	6	59
187	Heat transfer analysis in ferromagnetic viscoelastic fluid flow over a stretching sheet with suction. <i>Neural Computing and Applications</i> , 2018 , 30, 1947-1955	4.8	77
186	Study of Fe ₃ O ₄ -water nanofluid with convective heat transfer in the presence of magnetic source. <i>AEJ - Alexandria Engineering Journal</i> , 2018 , 57, 565-575	6.1	45
185	Convective Poiseuille flow of Al ₂ O ₃ -EG nanofluid in a porous wavy channel with thermal radiation. <i>Neural Computing and Applications</i> , 2018 , 30, 3371-3382	4.8	40

184	Stability analysis for fractional-order partial differential equations by means of space spectral time Adams-Bashforth Moulton method. <i>Numerical Methods for Partial Differential Equations</i> , 2018 , 34, 19-29	2.5	35
183	Numerical investigation of heat and mass transfer flow under the influence of silicon carbide by means of plasma-enhanced chemical vapor deposition vertical reactor. <i>Neural Computing and Applications</i> , 2018 , 30, 3721-3731	4.8	5
182	Volume of fluid model to simulate the nanofluid flow and entropy generation in a single slope solar still. <i>Renewable Energy</i> , 2018 , 115, 400-410	8.1	212
181	Convection of heat and thermodynamic irreversibilities in two-phase, turbulent nanofluid flows in solar heaters by corrugated absorber plates. <i>Advanced Powder Technology</i> , 2018 , 29, 2243-2254	4.6	95
180	Simultaneous effects of melting heat and internal heat generation in stagnation point flow of Jeffrey fluid towards a nonlinear stretching surface with variable thickness. <i>International Journal of Thermal Sciences</i> , 2018 , 132, 344-354	4.1	39
179	Mathematical Models of Electro-Magnetohydrodynamic Multiphase Flows Synthesis with Nano-Sized Hafnium Particles. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 275	2.6	59
178	Simulating phase change during the droplet deformation and impact on a wet surface in a square microchannel: An application of oil drops collision. <i>European Physical Journal Plus</i> , 2018 , 133, 1	3.1	21
177	Modelling study on heated couple stress fluid peristaltically conveying gold nanoparticles through coaxial tubes: A remedy for gland tumors and arthritis. <i>Journal of Molecular Liquids</i> , 2018 , 268, 149-155	6	43
176	Electroosmosis modulated biomechanical transport through asymmetric microfluidics channel. <i>Indian Journal of Physics</i> , 2018 , 92, 1229-1238	1.4	31
175	Effects of MHD and slip on heat transfer boundary layer flow over a moving plate based on specific entropy generation. <i>Journal of Taibah University for Science</i> , 2018 , 12, 476-482	3	136
174	Electroosmotic Flow of MHD Power Law Al ₂ O ₃ -PVC Nanofluid in a Horizontal Channel: Couette-Poiseuille Flow Model. <i>Communications in Theoretical Physics</i> , 2018 , 69, 655	2.4	74
173	COMBINED POROUS AND MAGNETIC EFFECTS ON SOME FUNDAMENTAL MOTIONS OF NEWTONIAN FLUIDS OVER AN INFINITE PLATE. <i>Journal of Porous Media</i> , 2018 , 21, 589-605	2.9	43
172	Mixed convection flow and heat transfer in ferromagnetic fluid over a stretching sheet with partial slip effects. <i>Thermal Science</i> , 2018 , 22, 2515-2526	1.2	8
171	Analytical study on liquid-solid particles interaction in the presence of heat and mass transfer through a wavy channel. <i>Journal of Molecular Liquids</i> , 2018 , 250, 80-87	6	81
170	Thermally developed peristaltic propulsion of magnetic solid particles in biorheological fluids. <i>Indian Journal of Physics</i> , 2018 , 92, 423-430	1.4	46
169	EXPLORATION OF CONVECTIVE HEAT TRANSFER AND FLOW CHARACTERISTICS SYNTHESIS BY CuO/WATER HYBRID-NANOFUIDS. <i>Heat Transfer Research</i> , 2018 , 49, 1837-1848	3.9	120
168	Modelling Study on Internal Energy Loss Due to Entropy Generation for Non-Darcy Poiseuille Flow of Silver-Water Nanofluid: An Application of Purification. <i>Entropy</i> , 2018 , 20,	2.8	37
167	Study of Shiny Film Coating on Multi-Fluid Flows of a Rotating Disk Suspended with Nano-Sized Silver and Gold Particles: A Comparative Analysis. <i>Coatings</i> , 2018 , 8, 422	2.9	51

166	The Sustainable Characteristic of Bio-Bi-Phase Flow of Peristaltic Transport of MHD Jeffrey Fluid in the Human Body. <i>Sustainability</i> , 2018 , 10, 2671	3.6	65
165	Structural impact of kerosene-Al ₂ O ₃ nanofluid on MHD Poiseuille flow with variable thermal conductivity: Application of cooling process. <i>Journal of Molecular Liquids</i> , 2018 , 264, 607-615	6	127
164	Convective heat transfer flow of nanofluid in a porous medium over wavy surface. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018 , 382, 2749-2753	2.3	152
163	Recent Advances in the Application of Differential Equations in Mechanical Engineering Problems. <i>Mathematical Problems in Engineering</i> , 2018 , 2018, 1-3	1.1	12
162	Shape effect of nanosize particles in unsteady mixed convection flow of nanofluid over disk with entropy generation. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2017 , 231, 871-879	1.5	55
161	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
160	On squeezed flow of couple stress nanofluid between two parallel plates. <i>Results in Physics</i> , 2017 , 7, 553-561	3.7	68
159	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> , 2017 , 230, 237-246	6	136
158	Numerical investigation of heat exchanger effectiveness in a double pipe heat exchanger filled with nanofluid: A sensitivity analysis by response surface methodology. <i>Powder Technology</i> , 2017 , 313, 99-111	5.2	140
157	On MHD nonlinear stretching flow of PowellEyring nanomaterial. <i>Results in Physics</i> , 2017 , 7, 535-543	3.7	65
156	Homogeneous-heterogeneous reactions in MHD flow of micropolar fluid by a curved stretching surface. <i>Journal of Molecular Liquids</i> , 2017 , 240, 209-220	6	73
155	Influences of wavy wall and nanoparticles on entropy generation over heat exchanger plat. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 109, 1162-1171	4.9	168
154	Heat transfer and inclined magnetic field analysis on peristaltically induced motion of small particles. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2017 , 39, 3259-3267	2	18
153	On boundary layer nano-ferrofluid flow under the influence of low oscillating stretchable rotating disk. <i>Journal of Molecular Liquids</i> , 2017 , 229, 339-345	6	174
152	Simultaneous effects of coagulation and variable magnetic field on peristaltically induced motion of Jeffrey nanofluid containing gyrotactic microorganism. <i>Microvascular Research</i> , 2017 , 110, 32-42	3.7	154
151	Extracting new solitary wave solutions of BennyLuke equation and Phi-4 equation of fractional order by using (G'/G)-expansion method. <i>Optical and Quantum Electronics</i> , 2017 , 49, 1	2.4	32
150	CuO/Water Nanofluid Magnetohydrodynamic Natural Convection inside a Sinusoidal Annulus in Presence of Melting Heat Transfer. <i>Mathematical Problems in Engineering</i> , 2017 , 2017, 1-9	1.1	13
149	Numerical study of surface radiation and combined natural convection heat transfer in a solar cavity receiver. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2017 , 27, 2385-2399	4.5	54

148	Heat transfer with thermal radiation on MHD particlefluid suspension induced by metachronal wave 2017 , 89, 1		31
147	Numerical study of boundary-layer flow due to a nonlinear curved stretching sheet with convective heat and mass conditions. <i>Results in Physics</i> , 2017 , 7, 2601-2606	3.7	42
146	Numerical investigation and optimization of mixed convection in ventilated square cavity filled with nanofluid of different inlet and outlet port. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2017 , 27, 2053-2069	4.5	49
145	Numerical study for Darcy-Forchheimer flow due to a curved stretching surface with Cattaneo-Christov heat flux and homogeneous-heterogeneous reactions. <i>Results in Physics</i> , 2017 , 7, 2886-2892 ⁵⁸	3.7	58
144	Stagnation-point flow of second grade nanofluid towards a nonlinear stretching surface with variable thickness. <i>Results in Physics</i> , 2017 , 7, 2821-2830	3.7	29
143	Particle shape effects on ferrofluids flow and heat transfer under influence of low oscillating magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 443, 36-44	2.8	116
142	Three-dimensional flow analysis of Carreau fluid model induced by peristaltic wave in the presence of magnetic field. <i>Journal of Molecular Liquids</i> , 2017 , 241, 1059-1068	6	54
141	Effects of wavy surface characteristics on natural convection heat transfer in a cosine corrugated square cavity filled with nanofluid. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 107, 1110-1118 ⁴⁹	4.9	113
140	Numerical investigation and sensitivity analysis of effective parameters on combined heat transfer performance in a porous solar cavity receiver by response surface methodology. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 105, 811-825	4.9	83
139	Shape effects of spherical and nonspherical nanoparticles in mixed convection flow over a vertical stretching permeable sheet. <i>Mechanics of Advanced Materials and Structures</i> , 2017 , 24, 1231-1238	1.8	33
138	Electromagnetohydrodynamic (EMHD) peristaltic flow of solid particles in a third-grade fluid with heat transfer. <i>Mechanics and Industry</i> , 2017 , 18, 314	0.8	23
137	Convective Heat Transfer and Particle Motion in an Obstructed Duct with Two Side by Side Obstacles by Means of DPM Model. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 431	2.6	70
136	STUDY OF PERISTALTIC FLOW OF NANOFLUID WITH ENTROPY GENERATION IN A POROUS MEDIUM. <i>Journal of Porous Media</i> , 2017 , 20, 461-478	2.9	61
135	A uniqueness result for final boundary value problem of microstretch bodies. <i>Journal of Nonlinear Science and Applications</i> , 2017 , 10, 1908-1918	1.9	4
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