Sohail Nadeem

List of Publications by Year in Descending Order

626 papers	16,452 citations	59 h-index	86 g-index
655 ext. papers	19,341 ext. citations	2.8 avg, IF	7.99 L-index

#	Paper	IF	Citations
626	Computational analysis of induced magnetohydrodynamic non-Newtonian nanofluid flow over nonlinear stretching sheet. *Progress in Reaction Kinetics and Mechanism*, **2022**, 47, 146867832110727	0.5	5
625	Finite element analysis for CuO/water nanofluid in a partially adiabatic enclosure: Inclined Lorentz forces and porous medium resistance. *AEJ - Alexandria Engineering Journal*, **2022**, 61, 6477-6488	6.1	4
624	Simulation of linear and nonlinear advection-diffusion problems by the direct radial basis function collocation method. *International Communications in Heat and Mass Transfer*, **2022**, 130, 105775	5.8	1
623	Numerical computations for Buongiorno nano fluid model on the boundary layer flow of viscoelastic fluid towards a nonlinear stretching sheet. *AEJ - Alexandria Engineering Journal*, **2022**, 61, 1769-1778	6.1	14
622	Unsteady shear-thinning behaviour of nanofluid flow over exponential stretching/shrinking cylinder. *Journal of Molecular Liquids*, **2022**, 345, 117894	6	2
621	Heat Transfer of Hybrid Nanomaterials Base Maxwell Micropolar Fluid Flow over an Exponentially Stretching Surface.. *Nanomaterials*, **2022**, 12,	5.4	3
620	Insight into the cilia motion of electrically conducting Cu-blood nanofluid through a uniform curved channel when entropy generation is significant. *AEJ - Alexandria Engineering Journal*, **2022**, 61, 10613-10630	6.1	0
619	Entropy and stability analysis on blood flow with nanoparticles through a stenosed artery having permeable walls.. *Science Progress*, **2022**, 105, 368504221096000	1.1	1
618	Numerical study of heat transfer in hybrid nanofluid flow over permeable nonlinear stretching curved surface with thermal slip. *International Communications in Heat and Mass Transfer*, **2022**, 135, 106107	5.8	7
617	Numerical simulation for mixed convection in a parallelogram enclosure: Magnetohydrodynamic (MHD) and moving wall-undulation effects. *International Communications in Heat and Mass Transfer*, **2022**, 135, 106066	5.8	1
616	Physical Survey of Thermally Heated Non-Newtonian Jeffrey Fluid in a Ciliated Conduit Having Heated Compressing and Expanding Walls. *Applied Sciences (Switzerland)*, **2022**, 12, 5065	2.6	
615	Effective Similarity Variables for the Computations of MHD Flow of Williamson Nanofluid over a Non-Linear Stretching Surface. *Processes*, **2022**, 10, 1119	2.9	3
614	Entropy generation and induced magnetic field in pseudoplastic nanofluid flow near a stagnant point. *Scientific Reports*, **2021**, 11, 23736	4.9	4
613	Eigenfunction expansion method for peristaltic flow of hybrid nanofluid flow having single-walled carbon nanotube and multi-walled carbon nanotube in a wavy rectangular duct. *Science Progress*, **2021**, 104, 368504211050292	1.1	2
612	Stability analysis of triple solutions of Casson nanofluid past on a vertical exponentially stretching/shrinking sheet. *Advances in Mechanical Engineering*, **2021**, 13, 168781402110596	1.2	6
611	Numerical analysis for the effects of heat transfer in modified square duct with heated obstacle inside it. *International Communications in Heat and Mass Transfer*, **2021**, 129, 105666	5.8	3
610	Heat Transport Improvement and Three-Dimensional Rotating Cone Flow of Hybrid-Based Nanofluid. *Mathematical Problems in Engineering*, **2021**, 2021, 1-11	1.1	3

609	Features of thermophoretic and Brownian forces in Burgers fluid flow subject to Joule heating and convective conditions. *Physica Scripta*, **2021**, 96, 015211	2.6	6
608	Reactivity of bifurcation angle and electroosmosis flow for hemodynamic flow through aortic bifurcation and stenotic wall with heat transfer. *Physica Scripta*, **2021**, 96, 015216	2.6	6
607	Mathematical analysis of heat and mass transfer in a Maxwell fluid with double stratification. *Physica Scripta*, **2021**, 96, 025202	2.6	10
606	Hybridized nanofluid with stagnation point past a rotating disk. *Physica Scripta*, **2021**, 96, 025214	2.6	11
605	Green synthesis of biodegradable terpolymer modified starch nanocomposite with carbon nanoparticles for food packaging application. *Journal of Applied Polymer Science*, **2021**, 138, 50604	2.9	4
604	Scientific breakdown for physiological blood flow inside a tube with multi-thrombosis. *Scientific Reports*, **2021**, 11, 6718	4.9	4
603	Peristaltic flow of a heated Jeffrey fluid inside an elliptic duct: streamline analysis. *Applied Mathematics and Mechanics (English Edition)*, **2021**, 42, 583-592	3.2	10
602	Transportation of modified nanofluid flow with time dependent viscosity over a Riga plate: Exponentially stretching. *Ain Shams Engineering Journal*, **2021**, 12, 3967-3967	4.4	17
601	Mixed convection hybridized micropolar nanofluid with triple stratification and Cattaneo□Christov heat flux model. *Physica Scripta*, **2021**, 96, 075205	2.6	24
600	A Combined Convection Carreau□Yasuda Nanofluid Model over a Convective Heated Surface near a Stagnation Point: A Numerical Study. *Mathematical Problems in Engineering*, **2021**, 2021, 1-14	1.1	22
599	Convective heat transfer for Peristaltic flow of SWCNT inside a sinusoidal elliptic duct. *Science Progress*, **2021**, 104, 368504211023683	1.1	11
598	Flow and heat transfer investigation of bio□convective hybrid nanofluid with triple stratification effects. *Physica Scripta*, **2021**, 96, 065210	2.6	17
597	Assisting and Opposing Stagnation Point Pseudoplastic Nano Liquid Flow towards a Flexible Riga Sheet: A Computational Approach. *Mathematical Problems in Engineering*, **2021**, 2021, 1-14	1.1	14
596	Impact of uniform and non-uniform heated rods on free convective flow inside a porous enclosure: finite element analysis. *Physica Scripta*, **2021**, 96, 085203	2.6	9
595	Mix convection non- boundary layer flow of unsteady MHD oblique stagnation point flow of nanofluid. *International Communications in Heat and Mass Transfer*, **2021**, 124, 105285	5.8	13
594	Ciliary Flow of Casson Nanofluid with the Influence of MHD having Carbon Nanotubes. *Current Nanoscience*, **2021**, 17, 447-462	1.4	0
593	Finite element simulation for free convective flow in an adiabatic enclosure: Study of Lorentz forces and partially thermal walls. *Case Studies in Thermal Engineering*, **2021**, 25, 100981	5.6	10
592	Entropy Analysis of the Peristaltic Flow of Hybrid Nanofluid Inside an Elliptic Duct with Sinusoidally Advancing Boundaries. *Entropy*, **2021**, 23,	2.8	13

591	Mathematical study of Electroosmotically driven peristaltic flow of Casson fluid inside a tube having systematically contracting and relaxing sinusoidal heated walls. *Chinese Journal of Physics*, **2021**, 71, 300-311	3.5	17
590	Mathematical Analysis of Thermal Energy Distribution in a Hybridized Mixed Convective Flow. *Journal of Nanofluids*, **2021**, 10, 222-231	2.2	5
589	A Computational Model for the Radiated Kinetic Molecular Postulate of Fluid-Originated Nanomaterial Liquid Flow in the Induced Magnetic Flux Regime. *Mathematical Problems in Engineering*, **2021**, 2021, 1-17	1.1	7
588	Cattaneo–Christov heat flux model for stagnation point flow of micropolar nanofluid toward a nonlinear stretching surface with slip effects. *Journal of Thermal Analysis and Calorimetry*, **2021**, 143, 1187-1199	4.1	54
587	Mixed convection flow of hybrid nanoparticle along a Riga surface with Thomson and Troian slip condition. *Journal of Thermal Analysis and Calorimetry*, **2021**, 143, 2099-2109	4.1	30
586	Darcy–Forchheimer flow under rotating disk and entropy generation with thermal radiation and heat source/sink. *Journal of Thermal Analysis and Calorimetry*, **2021**, 143, 2313-2328	4.1	24
585	Bioconvection through interaction of Lorentz force and gyrotactic microorganisms in transverse transportation of rheological fluid. *Journal of Thermal Analysis and Calorimetry*, **2021**, 145, 2675-2689	4.1	10
584	Simulation of magnetic dipole on gyrotactic ferromagnetic fluid flow with nonlinear thermal radiation. *Journal of Thermal Analysis and Calorimetry*, **2021**, 143, 2053-2067	4.1	18
583	A novel approach for investigation of heat transfer enhancement with ferromagnetic hybrid nanofluid by considering solar radiation. *Microsystem Technologies*, **2021**, 27, 97-104	1.7	36
582	Finite element simulations for natural convective flow of nanofluid in a rectangular cavity having corrugated heated rods. *Journal of Thermal Analysis and Calorimetry*, **2021**, 143, 4169-4181	4.1	17
581	Thermal analysis of Casson micropolar nanofluid flow over a permeable curved stretching surface under the stagnation region. *Journal of Thermal Analysis and Calorimetry*, **2021**, 143, 2485-2497	4.1	23
580	Physiological Flow of Non-Newtonian Fluid with Variable Density Inside a Ciliated Symmetric Channel Having Compliant Wall. *Arabian Journal for Science and Engineering*, **2021**, 46, 801-812	2.5	6
579	Transient flow of Maxwell Nanofluid Over a Shrinking Surface: Numerical Solutions and Stability Analysis. *Surfaces and Interfaces*, **2021**, 22, 100829	4.1	7
578	Models base study of inclined MHD of hybrid nanofluid flow over nonlinear stretching cylinder. *Chinese Journal of Physics*, **2021**, 69, 109-117	3.5	86
577	Squeezing Flow of Carbon Nanotubes-Based Nanofluid in Channel Considering Temperature-Dependent Viscosity: A Numerical Approach. *Arabian Journal for Science and Engineering*, **2021**, 46, 2047-2053	2.5	8
576	Investigation of a hyperbolic annular fin with temperature dependent thermal conductivity by two step third derivative block method (TSTDBM). *Microsystem Technologies*, **2021**, 27, 2063-2074	1.7	4
575	Evaluation of silk-based bioink during pre and post 3D bioprinting: A review. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2021**, 109, 279-293	3.5	15
574	Microphysical analysis for peristaltic flow of SWCNT and MWCNT carbon nanotubes inside a catheterised artery having thrombus: irreversibility effects with entropy. *International Journal of Exergy*, **2021**, 34, 301	1.2	6

573	Simulations of micropolar nanofluid-equipped natural convective-driven flow in a cavity. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2021**, 31, 2640-2659	4.5	2
572	Physical aspects of convective and radiative molecular theory of liquid originated nanofluid flow in the existence of variable properties. *Physica Scripta*, **2021**, 96, 035219	2.6	15
571	A comparative study between linear and exponential stretching sheet with double stratification of a rotating Maxwell nanofluid flow. *Surfaces and Interfaces*, **2021**, 22, 100886	4.1	22
570	MHD stagnation point flow of a Maxwell nanofluid over a shrinking sheet (multiple solution). *Heat Transfer*, **2021**, 50, 4729-4743	3.1	4
569	Mechanics of non-Newtonian blood flow in an artery having multiple stenosis and electroosmotic effects. *Science Progress*, **2021**, 104, 368504211031693	1.1	9
568	Viscous flow between two sinusoidally deforming curved concentric tubes: advances in endoscopy. *Scientific Reports*, **2021**, 11, 15124	4.9	6
567	Novel idea about the peristaltic flow of heated Newtonian fluid in elliptic duct having ciliated walls. *AEJ - Alexandria Engineering Journal*, **2021**,	6.1	6
566	Combined Effects of Binary Chemical Reaction/Activation Energy on the Flow of Sisko Fluid over a Curved Surface. *Crystals*, **2021**, 11, 967	2.3	2
565	Analysis of heat and mass transfer on the peristaltic flow in a duct with sinusoidal walls: Exact solutions of coupled PDEs. *AEJ - Alexandria Engineering Journal*, **2021**, 61, 4107-4107	6.1	4
564	Casson nanoliquid flow with Cattaneo-Christov flux analysis over a curved stretching/shrinking channel. *Case Studies in Thermal Engineering*, **2021**, 27, 101146	5.6	15
563	Non-Newtonian based micropolar fluid flow over nonlinear starching cylinder under Soret and Dufour numbers effects. *International Communications in Heat and Mass Transfer*, **2021**, 127, 105571	5.8	6
562	Theoretical analysis of Brownian and thermophoresis motion effects for Newtonian fluid flow over nonlinear stretching cylinder. *Case Studies in Thermal Engineering*, **2021**, 28, 101369	5.6	4
561	Entropy generation for the blood flow in an artery with multiple stenosis having a catheter. *AEJ - Alexandria Engineering Journal*, **2021**, 60, 5741-5748	6.1	13
560	Electroosmotically driven flow of micropolar bingham viscoplastic fluid in a wavy microchannel: application of computational biology stomach anatomy. *Computer Methods in Biomechanics and Biomedical Engineering*, **2021**, 24, 289-298	2.1	2
559	Consequences of Darcy–Forchheimer and Cattaneo–Christov on a radiative three-dimensional Maxwell fluid flow over a vertical surface. *Journal of the Taiwan Institute of Chemical Engineers*, **2021**, 118, 1-11	5.3	11
558	Thermal analysis in buoyancy driven flow of hybrid nanofluid subject to thermal radiation. *International Journal of Ambient Energy*, **2020**, 1-9	2	5
557	Probe of Radiant Flow on Temperature-Dependent Viscosity Models of Differential Type MHD Fluid. *Mathematical Problems in Engineering*, **2020**, 2020, 1-16	1.1	5
556	Chemically reactive swirling flow of viscoelastic nanofluid due to rotating disk with thermal radiations. *Applied Nanoscience (Switzerland)*, **2020**, 10, 5219-5232	3.3	6

555	Flow analysis of biconvective heat and mass transfer of two-dimensional couple stress fluid over a paraboloid of revolution. *International Journal of Modern Physics B*, **2020**, 34, 2050110	1.1	38
554	Heat transfer of Maxwell base fluid flow of nanomaterial with MHD over a vertical moving surface. *AEJ - Alexandria Engineering Journal*, **2020**, 59, 1847-1856	6.1	26
553	Heat transport in CNTs based nanomaterial flow of non-Newtonian fluid having electro magnetize plate. *AEJ - Alexandria Engineering Journal*, **2020**, 59, 3431-3442	6.1	18
552	Dual solutions in MHD stagnation point flow of nanofluid induced by porous stretching/shrinking sheet with anisotropic slip. *AIP Advances*, **2020**, 10, 065207	1.5	29
551	On the stagnation point flow of nanomaterial with base viscoelastic micropolar fluid over a stretching surface. *AEJ - Alexandria Engineering Journal*, **2020**, 59, 1751-1760	6.1	9
550	Entropy Generation and Natural Convection Flow of Hybrid Nanofluids in a Partially Divided Wavy Cavity Including Solid Blocks. *Energies*, **2020**, 13, 2942	3.1	23
549	Micropolar fluid flow with temperature-dependent transport properties. *Heat Transfer*, **2020**, 49, 2375-2389	3.3	11
548	Application of CNT-based micropolar hybrid nanofluid flow in the presence of Newtonian heating. *Applied Nanoscience (Switzerland)*, **2020**, 10, 5265-5277	3.3	18
547	Analysis of ferrite nanoparticles in liquid **2020**, 94, 1		23
546	Entropy generation and temperature-dependent viscosity in the study of SWCNT/MWCNT hybrid nanofluid. *Applied Nanoscience (Switzerland)*, **2020**, 10, 5107-5119	3.3	52
545	Heat transfer analysis of peristaltic flow of a Phan-Thien-Tanner fluid model due to metachronal wave of cilia. *Biomechanics and Modeling in Mechanobiology*, **2020**, 19, 1925-1933	3.8	14
544	Heat transfer and Helmholtz-Smoluchowski velocity in Bingham fluid flow. *Applied Mathematics and Mechanics (English Edition)*, **2020**, 41, 1167-1178	3.2	4
543	Transportation of slip effects on nanomaterial micropolar fluid flow over exponentially stretching. *AEJ - Alexandria Engineering Journal*, **2020**, 59, 3443-3450	6.1	23
542	Rosseland analysis for ferromagnetic fluid in presence of gyrotactic microorganisms and magnetic dipole. *Ain Shams Engineering Journal*, **2020**, 11, 1295-1308	4.4	12
541	Significance of Arrhenius activation energy in flow and heat transfer of tangent hyperbolic fluid with zero mass flux condition. *Microsystem Technologies*, **2020**, 26, 2517-2526	1.7	29
540	Fluid flow analysis of cilia beating in a curved channel in the presence of magnetic field and heat transfer. *Canadian Journal of Physics*, **2020**, 98, 191-197	1.1	17
539	Significance of Knudsen number and corrugation on EMHD flow under metallic nanoparticles impact. *Physica A: Statistical Mechanics and Its Applications*, **2020**, 551, 124089	3.3	8
538	Effects of induced magnetic field for peristaltic flow of Williamson fluid in a curved channel. *Physica A: Statistical Mechanics and Its Applications*, **2020**, 553, 123979	3.3	44

537	Inspection of hybrid based nanofluid flow over a curved surface. *Computer Methods and Programs in Biomedicine*, **2020**, 189, 105193	6.9	91
536	Theoretical study of micropolar hybrid nanofluid over Riga channel with slip conditions. *Physica A: Statistical Mechanics and Its Applications*, **2020**, 551, 124083	3.3	43
535	On extended version of Yamada□Ota and Xue models of hybrid nanofluid on moving needle. *European Physical Journal Plus*, **2020**, 135, 1	3.1	37
534	Flow analysis by Cattaneo□Christov heat flux in the presence of Thomson and Troian slip condition. *Applied Nanoscience (Switzerland)*, **2020**, 10, 4673-4687	3.3	25
533	Analysis of activation energy and its impact on hybrid nanofluid in the presence of Hall and ion slip currents. *Applied Nanoscience (Switzerland)*, **2020**, 10, 5315-5330	3.3	28
532	Cattaneo□Christov-based study of SWCNT□MWCNT/EG Casson hybrid nanofluid flow past a lubricated surface with entropy generation. *Applied Nanoscience (Switzerland)*, **2020**, 10, 5449-5458	3.3	30
531	Physical aspects of peristaltic flow of hybrid nano fluid inside a curved tube having ciliated wall. *Results in Physics*, **2020**, 19, 103431	3.7	25
530	Effect of SWCNT and MWCNT on the flow of micropolar hybrid nanofluid over a curved stretching surface with induced magnetic field. *Scientific Reports*, **2020**, 10, 8488	4.9	30
529	Mathematical computations for Peristaltic flow of heated non-Newtonian fluid inside a sinusoidal elliptic duct. *Physica Scripta*, **2020**, 95, 105009	2.6	12
528	Significance of Coriolis force on the dynamics of water conveying copper and copper oxide nanoparticles. *Physica Scripta*, **2020**, 95, 115706	2.6	6
527	A computational model for suspensions of motile micro-organisms in the flow of ferrofluid. *Journal of Molecular Liquids*, **2020**, 298, 112033	6	30
526	Stagnation flow of hybrid nanoparticles with MHD and slip effects. *Heat Transfer - Asian Research*, **2020**, 49, 180-196	2.8	15
525	Numerical analysis of water based CNTs flow of micropolar fluid through rotating frame. *Computer Methods and Programs in Biomedicine*, **2020**, 186, 105194	6.9	41
524	Theoretical treatment of bio-convective Maxwell nanofluid over an exponentially stretching sheet. *Canadian Journal of Physics*, **2020**, 98, 732-741	1.1	17
523	Mathematical model for blood flow through the stenosed channel. *Physica Scripta*, **2020**, 95, 025206	2.6	5
522	3D MHD cross flow over an exponential stretching porous surface. *Heat Transfer*, **2020**, 49, 1256-1280	3.1	7
521	Dual solutions for mixed convection flow of SiO2□Al2O3/water hybrid nanofluid near the stagnation point over a curved surface. *Physica A: Statistical Mechanics and Its Applications*, **2020**, 547, 123959	3.3	88
520	Study of three dimensional stagnation point flow of hybrid nanofluid over an isotropic slip surface. *Physica A: Statistical Mechanics and Its Applications*, **2020**, 554, 124020	3.3	27

519	Analysis of unsteady non-axisymmetric Homann stagnation point flow of nanofluid and possible existence of multiple solutions. *Physica A: Statistical Mechanics and Its Applications*, **2020**, 554, 123920	3.3	20
518	Radiative SWCNT and MWCNT nanofluid flow of Falkner□Skan problem with double stratification. *Physica A: Statistical Mechanics and Its Applications*, **2020**, 547, 124054	3.3	51
517	Corrigendum to "Transportation of magnetized micropolar hybrid nanomaterial fluid flow over a Riga curface surface" [Comput Meth Prog Bio 185 (2020) 105,136]. *Computer Methods and Programs in Biomedicine*, **2020**, 187, 105251	6.9	2
516	On extended version of Yamada□Ota and Xue models in micropolar fluid flow under the region of stagnation point. *Physica A: Statistical Mechanics and Its Applications*, **2020**, 542, 123512	3.3	29
515	Influence of metallic nanoparticles in water driven along a wavy circular cylinder. *Chinese Journal of Physics*, **2020**, 63, 168-185	3.5	18
514	Impact of induced magnetic field on second-grade nanofluid flow past a convectively heated stretching sheet. *Applied Nanoscience (Switzerland)*, **2020**, 10, 3001-3009	3.3	34
513	Entropy generation and natural convection flow of a suspension containing nano-encapsulated phase change particles in a semi-annular cavity. *Journal of Energy Storage*, **2020**, 32, 101834	7.8	8
512	Series solution of unsteady MHD oblique stagnation point flow of copper-water nanofluid flow towards Riga plate. *Heliyon*, **2020**, 6, e04689	3.6	8
511	Magneto-hydro dynamic squeezed flow of Williamson fluid transiting a sensor surface. *Heliyon*, **2020**, 6, e04875	3.6	7
510	Transportation of heat and mass transport in hydromagnetic stagnation point flow of Carreau nanomaterial: Dual simulations through Runge-Kutta Fehlberg technique. *International Communications in Heat and Mass Transfer*, **2020**, 118, 104858	5.8	22
509	Finite element analysis of convective nanofluid equipped in enclosure having both inlet and outlet zones. *Journal of the Taiwan Institute of Chemical Engineers*, **2020**, 113, 428-441	5.3	6
508	Physiological flow of biomedical compressible fluids inside a ciliated symmetric channel. *Advances in Mechanical Engineering*, **2020**, 12, 168781402093847	1.2	11
507	Dual nature solutions for temperature-dependent transport properties of nanofluid flow with entropy generation. *Numerical Methods for Partial Differential Equations*, **2020**,	2.5	2
506	Computational analysis of water based Cu - Al2O3/H2O flow over a vertical wedge. *Advances in Mechanical Engineering*, **2020**, 12, 168781402096832	1.2	9
505	Influence of Lorentz force and Induced Magnetic Field Effects on Casson Micropolar nanofluid flow over a permeable curved stretching/shrinking surface under the stagnation region. *Surfaces and Interfaces*, **2020**, 21, 100766	4.1	17
504	Mixed Convection in Unsteady Stagnation Point Flow of Maxwell Fluid Subject to Modified Fourier□s Law. *Arabian Journal for Science and Engineering*, **2020**, 45, 9439-9447	2.5	13
503	The effects of zero and high shear rates viscosities on the transportation of heat and mass in boundary layer regions: A non-Newtonian fluid with Carreau model. *Journal of Molecular Liquids*, **2020**, 317, 113991	6	16
502	Magnetohydrodynamic oblique stagnation point flow of second grade fluid over an oscillatory stretching surface. *Results in Physics*, **2020**, 18, 103233	3.7	25

501	Theoretical aspects of micropolar nanofluid flow past a deformable rotating cone. *Mathematical Methods in the Applied Sciences*, **2020**,	2.3	2
500	Permeability impact on electromagnetohydrodynamic flow through corrugated walls of microchannel with variable viscosity. *Advances in Mechanical Engineering*, **2020**, 12, 168781402094433	1.2	5
499	Slip Effects on Unsteady Oblique Stagnation Point Flow of Nanofluid in a View of Inclined Magnetic Field. *Mathematical Problems in Engineering*, **2020**, 2020, 1-12	1.1	3
498	Thermophoresis and Brownian Model of Pseudo-Plastic Nanofluid Flow over a Vertical Slender Cylinder. *Mathematical Problems in Engineering*, **2020**, 2020, 1-10	1.1	8
497	Impact of gravity-induced and Fourier heat flux on the nano-film flow over thermal sensitive surface. *Applied Nanoscience (Switzerland)*, **2020**, 10, 5253-5263	3.3	3
496	Theoretical treatment of radiative Oldroyd-B nanofluid with microorganism pass an exponentially stretching sheet. *Surfaces and Interfaces*, **2020**, 21, 100686	4.1	20
495	Mixed convective 3D flow of Maxwell nanofluid induced by stretching sheet: Application of Cattaneo-Christov theory. *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, **2020**, 095440622097324	1.3	2
494	Theoretical study of unsteady oblique stagnation point based Jeffrey nanofluid flow over an oscillatory stretching sheet. *Advances in Mechanical Engineering*, **2020**, 12, 168781402097188	1.2	6
493	Heat transfer of three-dimensional micropolar fluid on a Riga plate. *Canadian Journal of Physics*, **2020**, 98, 32-38	1.1	35
492	Aspects of 3D rotating hybrid CNT flow for a convective exponentially stretched surface. *Applied Nanoscience (Switzerland)*, **2020**, 10, 2897-2906	3.3	7
491	Finite volume method for mixed convection flow of Ag ethylene glycol nanofluid flow in a cavity having thin central heater. *Physica A: Statistical Mechanics and Its Applications*, **2020**, 537, 122738	3.3	38
490	Analysis of bifurcation dynamics of streamlines topologies for pseudoplastic shear thinning fluid: Biomechanics application. *Physica A: Statistical Mechanics and Its Applications*, **2020**, 540, 122502	3.3	13
489	Utilization of Cu-nanoparticles as medication agent to reduce atherosclerotic lesions of a bifurcated artery having compliant walls. *Computer Methods and Programs in Biomedicine*, **2020**, 184, 105123	6.9	22
488	Transportation of magnetized micropolar hybrid nanomaterial fluid flow over a Riga curface surface. *Computer Methods and Programs in Biomedicine*, **2020**, 185, 105136	6.9	47
487	Microvascular blood flow with heat transfer in a wavy channel having electroosmotic effects. *Electrophoresis*, **2020**, 41, 1198-1205	3.6	19
486	Oblique Stagnation Point Flow of Nanofluids over Stretching/Shrinking Sheet with Cattaneo Christov Heat Flux Model: Existence of Dual Solution. *Symmetry*, **2019**, 11, 1070	2.7	59
485	Numerical study of 3D rotating hybrid SWCNT MWCNT flow over a convectively heated stretching surface with heat generation/absorption. *Physica Scripta*, **2019**, 94, 075202	2.6	28
484	Analysis of Ag/blood-mediated transport in curved annulus with exclusive nature of convective boundary. *Physica Scripta*, **2019**, 94, 115011	2.6	10

483	Heat transfer enhancement and migration of ferrofluid due to electric force inside a porous medium with complex geometry. *Physica Scripta*, **2019**, 94, 115218	2.6	5
482	Numerical investigation of viscoelastic nanofluid flow with radiation effects. *Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanomaterials, Nanoengineering and Nanosystems*, **2019**, 233, 87-96	1.4	6
481	MHD stagnation point flow of viscous nanofluid over a curved surface. *Physica Scripta*, **2019**, 94, 115207	2.6	56
480	Numerical investigation into unsteady magnetohydrodynamics flow of micropolar hybrid nanofluid in porous medium. *Physica Scripta*, **2019**, 94, 105220	2.6	25
479	Magnetically driven flow of pseudoplastic fluid across a sensor surface. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, **2019**, 41, 1	2	7
478	MHD oblique stagnation point flow of nanofluid over an oscillatory stretching/shrinking sheet: existence of dual solutions. *Physica Scripta*, **2019**, 94, 075204	2.6	54
477	Impact of an oblique stagnation point on MHD micropolar nanomaterial in porous medium over an oscillatory surface with partial slip. *Physica Scripta*, **2019**, 94, 065209	2.6	12
476	Boundary Layer Flow over a Curved Surface Imbedded in Porous Medium. *Communications in Theoretical Physics*, **2019**, 71, 344	2.4	29
475	Hybrid Isothermal Model for the Ferrohydrodynamic Chemically Reactive Species. *Communications in Theoretical Physics*, **2019**, 71, 384	2.4	15
474	Mathematical analysis of bio-convective micropolar nanofluid. *Journal of Computational Design and Engineering*, **2019**, 6, 233-242	4.6	36
473	Flow of a micropolar CNT-based nanofluid across a squeezing channel. *Physica Scripta*, **2019**, 94, 105203	2.6	5
472	Existence and stability of heat and fluid flow in the presence of nanoparticles along a curved surface by mean of dual nature solution. *Applied Mathematics and Computation*, **2019**, 353, 66-81	2.7	20
471	Numerical simulation of oscillatory oblique stagnation point flow of a magneto micropolar nanofluid.. *RSC Advances*, **2019**, 9, 4751-4764	3.7	67
470	Effect of time dependent viscosity and radiation efficacy on a non-Newtonian fluid flow. *Heliyon*, **2019**, 5, e01203	3.6	20
469	An optimal analysis of radiated nanomaterial flow with viscous dissipation and heat source. *Microsystem Technologies*, **2019**, 25, 683-689	1.7	88
468	On both MHD and slip effect in micropolar hybrid nanofluid past a circular cylinder under stagnation point region. *Canadian Journal of Physics*, **2019**, 97, 392-399	1.1	45
467	Ferromagnetic nano model study for the peristaltic flow in a plumb duct with permeable walls. *Microsystem Technologies*, **2019**, 25, 1227-1234	1.7	10
466	A comparative study of Cu nanoparticles under slip effects through oblique eccentric tubes, a biomedical solicitation examination. *Canadian Journal of Physics*, **2019**, 97, 63-81	1.1	8

465	Biomechanically driven flow of a magnetohydrodynamic bio-fluid in a micro-vessel with slip and convective boundary conditions. *Microsystem Technologies*, **2019**, 25, 151-173	1.7	8
464	Nanoparticles shape effects on peristaltic transport of nanofluids in presence of magnetohydrodynamics. *Microsystem Technologies*, **2019**, 25, 283-294	1.7	25
463	MHD oblique stagnation point flow of copper-water nanofluid with variable properties. *Physica Scripta*, **2019**, 94, 125808	2.6	11
462	Heat and peristaltic propagation of water based nanoparticles with variable fluid features. *Physica Scripta*, **2019**, 94, 125704	2.6	8
461	Computational Study of MHD Nanofluid Flow Possessing Micro-Rotational Inertia over a Curved Surface with Variable Thermophysical Properties. *Processes*, **2019**, 7, 387	2.9	21
460	Effect of the Variable Viscosity on the Peristaltic Flow of Newtonian Fluid Coated withMagnetic Field: Application of Adomian Decomposition Method for Endoscope. *Coatings*, **2019**, 9, 524	2.9	7
459	Effects of Thermal-Diffusion and Diffusion-Thermo on Oblique Stagnation Point Flow of Couple Stress Casson Fluid Over a Stretched Horizontal Riga Plate with Higher Order Chemical Reaction. *Journal of Nanofluids*, **2019**, 8, 94-102	2.2	15
458	The Effects of Thermocapillarity on the Thin Film Flow of MHD UCM Fluid over an Unsteady Elastic Surface with Convective Boundary Conditions. *International Journal of Thermofluid Science and Technology*, **2019**, 6,	0.9	2
457	A ballon model analysis with Cu-blood medicated nanoparticles as drug agent through overlapped curved stenotic artery having compliant walls. *Microsystem Technologies*, **2019**, 25, 2949-2962	1.7	12
456	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
455	Buongiorno□ Nanofluid Model over a Curved Exponentially Stretching Surface. *Processes*, **2019**, 7, 665	2.9	16
454	Peristaltic pumping with double diffusive natural convective nanofluid in a lopsided channel with accounting thermophoresis and Brownian moment. *Microsystem Technologies*, **2019**, 25, 1217-1226	1.7	15
453	Stability analysis of Cu□H2O nanofluid over a curved stretching□shrinking sheet: existence of dual solutions. *Canadian Journal of Physics*, **2019**, 97, 911-922	1.1	7
452	Carbon nanotubes effects in magneto nanofluid flow over a curved stretching surface with variable viscosity. *Microsystem Technologies*, **2019**, 25, 2881-2888	1.7	25
451	Convective Heat and Mass Transfer in Magneto Walter□ B Nanofluid Flow Induced by a Rotating Cone. *Arabian Journal for Science and Engineering*, **2019**, 44, 1515-1523	2.5	42
450	EMHD flow through microchannels with corrugated walls in the presence of nanofluid. *Canadian Journal of Physics*, **2019**, 97, 701-720	1.1	6
449	Numerical analysis of Ag□CuO/water rotating hybrid nanofluid with heat generation and absorption. *Canadian Journal of Physics*, **2019**, 97, 644-650	1.1	17
448	Numerical analysis of micropolar hybrid nanofluid. *Applied Nanoscience (Switzerland)*, **2019**, 9, 447-459	3.3	73

447	Physiological analysis of streamline topologies and their bifurcations for a peristaltic flow of nano fluid. *Microsystem Technologies*, **2019**, 25, 1267-1296	1.7	7
446	Consequences of compliant walls for peristaltic transportation in a channel having porous medium and porous boundaries. *Canadian Journal of Physics*, **2019**, 97, 599-608	1.1	2
445	The effects of MHD and buoyancy on Hematite water-based fluid past a convectively heated stretching sheet. *Neural Computing and Applications*, **2019**, 31, 1083-1090	4.8	8
444	Impact of magnetic dipole on a thermally stratified ferrofluid past a stretchable surface. *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering*, **2019**, 233, 177-183	1.5	9
443	On stagnation point flow of a micro polar nanofluid past a circular cylinder with velocity and thermal slip. *Results in Physics*, **2018**, 9, 1224-1232	3.7	61
442	Induced magnetic field analysis for the peristaltic transport of non-Newtonian nanofluid in an annulus. *Mathematics and Computers in Simulation*, **2018**, 148, 16-36	3.3	32
441	Investigation of Cu-CuO/blood mediated transportation in stenosed artery with unique features for theoretical outcomes of hemodynamics. *Journal of Molecular Liquids*, **2018**, 254, 421-432	6	39
440	Computational study of Falkner-Skan problem for a static and moving wedge. *Sensors and Actuators B: Chemical*, **2018**, 263, 69-76	8.5	48
439	Characteristics of three dimensional stagnation point flow of Hybrid nanofluid past a circular cylinder. *Results in Physics*, **2018**, 8, 829-835	3.7	73
438	Thermophysical analysis for three-dimensional MHD stagnation-point flow of nano-material influenced by an exponential stretching surface. *Results in Physics*, **2018**, 8, 316-323	3.7	50
437	Flow of 3D Eyring-Powell fluid by utilizing Cattaneo-Christov heat flux model and chemical processes over an exponentially stretching surface. *Results in Physics*, **2018**, 8, 397-403	3.7	41
436	Transverse thermopherotic MHD Oldroyd-B fluid with Newtonian heating. *Results in Physics*, **2018**, 8, 686-693	3.7	19
435	Consequences of blood mediated nano transportation as drug agent to attenuate the atherosclerotic lesions with permeability impacts. *Journal of Molecular Liquids*, **2018**, 262, 565-575	6	18
434	Analytical approach to entropy generation and heat transfer in CNT-nanofluid dynamics through a ciliated porous medium. *Journal of Hydrodynamics*, **2018**, 30, 296-306	3.3	21
433	Corrugated walls analysis in microchannels through porous medium under Electromagnetohydrodynamic (EMHD) effects. *Results in Physics*, **2018**, 9, 171-182	3.7	24
432	Performance of hybrid nanofluid (Cu-CuO/water) on MHD rotating transport in oscillating vertical channel inspired by Hall current and thermal radiation. *AEJ - Alexandria Engineering Journal*, **2018**, 57, 1943-1954	6.1	67
431	Non-aligned stagnation point flow of radiating Casson fluid over a stretching surface. *AEJ - Alexandria Engineering Journal*, **2018**, 57, 939-946	6.1	25
430	Peristaltic transport of a Jeffrey fluid with double-diffusive convection in nanofluids in the presence of inclined magnetic field. *International Journal of Geometric Methods in Modern Physics*, **2018**, 15, 1850181	1.5	26

429	Transportation of nanoparticles investigation as a drug agent to attenuate the atherosclerotic lesion under the wall properties impact. *Chaos, Solitons and Fractals*, **2018**, 112, 52-65	9.3	18
428	Pressure induced band-gap tuning in KNbO3 for piezoelectric applications: Quantum DFT-GGA approach. *Chinese Journal of Physics*, **2018**, 56, 1481-1487	3.5	7
427	Analysis of ferrite nanoparticles in the flow of ferromagnetic nanofluid. *PLoS ONE*, **2018**, 13, e0188460	3.7	27
426	Inquisition of combined effects of radiation and MHD on elastico-viscous fluid flow past a pervious plate. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, **2018**, 40, 1	2	8
425	Bifurcation Analysis for Physiological Flow of a Nanofluid: Application of Biomechanics. *Current Nanoscience*, **2018**, 14, 481-502	1.4	2
424	Heat Transfer Analysis for Three-Dimensional Stagnation-Point Flow of Water-Based Nanofluid Over an Exponentially Stretching Surface. *Journal of Heat Transfer*, **2018**, 140,	1.8	13
423	An improvement in heat transfer for rotating flow of hybrid nanofluid: a numerical study. *Canadian Journal of Physics*, **2018**, 96, 1420-1430	1.1	18
422	Transient peristaltic diffusion of nanofluids: A model of micropumps in medical engineering. *Journal of Hydrodynamics*, **2018**, 30, 1001-1011	3.3	19
421	Convective Heat and Mass Transfer in Magneto Jeffrey Fluid Flow on a Rotating Cone with Heat Source and Chemical Reaction. *Communications in Theoretical Physics*, **2018**, 70, 534	2.4	27
420	Endoscopic Analysis of Wave Propagation with Ag-nanoparticles in Curved Tube Having Permeable Walls. *Current Nanoscience*, **2018**, 14, 384-402	1.4	9
419	An optimal solution of Cattaneo□Christov heat flux model and chemical processes for 3D flow of Eyring□Powell fluid. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, **2018**, 40, 1	2	2
418	Shape factor and sphericity features examination of Cu and Cu-Al2O3/blood through atherosclerotic artery under the impact of wall characteristic. *Journal of Molecular Liquids*, **2018**, 271, 361-372	6	14
417	Rotating flow of Ag-CuO/HO hybrid nanofluid with radiation and partial slip boundary effects. *European Physical Journal E*, **2018**, 41, 75	1.5	110
416	Non-linear Radiation Effects in Mixed Convection Stagnation Point Flow along a Vertically Stretching Surface. *International Journal of Chemical Reactor Engineering*, **2017**, 15,	1.2	9
415	Shape effect of Cu-nanoparticles in unsteady flow through curved artery with catheterized stenosis. *Results in Physics*, **2017**, 7, 677-689	3.7	15
414	Heat transfer analysis of CNT suspended nanofluid through annulus sector duct. *International Journal of Mechanical Sciences*, **2017**, 122, 362-369	5.5	12
413	Inclined magnetic field analysis for metallic nanoparticles submerged in blood with convective boundary condition. *Journal of Molecular Liquids*, **2017**, 230, 61-73	6	26
412	Simultaneous effects of single wall carbon nanotube and effective variable viscosity for peristaltic flow through annulus having permeable walls. *Results in Physics*, **2017**, 7, 667-676	3.7	26

411	Metachronal wave analysis for non-Newtonian fluid inside a symmetrical channel with ciliated walls. *Results in Physics*, **2017**, 7, 1536-1549	3.7	4
410	Flow and heat transfer analysis of Jeffery nano fluid impinging obliquely over a stretched plate. *Journal of the Taiwan Institute of Chemical Engineers*, **2017**, 74, 49-58	5.3	74
409	Entropy generation analysis for the peristaltic flow of Cu-water nanofluid in a tube with viscous dissipation. *Journal of Hydrodynamics*, **2017**, 29, 135-143	3.3	15
408	Variable fluid properties analysis with water based CNT nanofluid over a sensor sheet: Numerical solution. *Journal of Molecular Liquids*, **2017**, 232, 471-477	6	17
407	Heat transport phenomenon in the ferromagnetic fluid over a stretching sheet with thermal stratification. *Results in Physics*, **2017**, 7, 854-861	3.7	52
406	Cattaneo-Christov flux in the flow of a viscoelastic fluid in the presence of Newtonian heating. *Journal of Molecular Liquids*, **2017**, 237, 180-184	6	61
405	Heat transfer analysis for three-dimensional stagnation-point flow over an exponentially stretching surface. *Chinese Journal of Physics*, **2017**, 55, 1552-1560	3.5	41
404	Biomechanically driven unsteady non-uniform flow of Copper water and Silver water nanofluids through finite length channel. *Computer Methods and Programs in Biomedicine*, **2017**, 146, 1-9	6.9	8
403	Numerical simulation of the forced convective nanofluid flow through an annulus sector duct. *Chinese Journal of Physics*, **2017**, 55, 1400-1411	3.5	17
402	Theoretical analysis of upper-convected Maxwell fluid flow with Cattaneo□Christov heat flux model. *Chinese Journal of Physics*, **2017**, 55, 1615-1625	3.5	60
401	Effects of single and multi-walled carbon nano tubes on water and engine oil based rotating fluids with internal heating. *Advanced Powder Technology*, **2017**, 28, 1991-2002	4.6	24
400	Impact of viscosity variation and micro rotation on oblique transport of Cu-water fluid. *Journal of Colloid and Interface Science*, **2017**, 501, 304-310	9.3	31
399	Stimulation of metallic nanoparticles under the impact of radial magnetic field through eccentric cylinders: A useful application in biomedicine. *Journal of Molecular Liquids*, **2017**, 225, 365-381	6	15
398	MHD 3D free convective flow of nanofluid over an exponentially stretching sheet with chemical reaction. *Advanced Powder Technology*, **2017**, 28, 2159-2166	4.6	46
397	Entropy Generation Analysis in Convective Ferromagnetic Nano Blood Flow Through a Composite Stenosed Arteries with Permeable Wall. *Communications in Theoretical Physics*, **2017**, 67, 554	2.4	8
396	Zinc halide complexes of thionicotinamide; crystal structure of dichlorido bis(thionicotinamide-κN)zinc(II). *Journal of Structural Chemistry*, **2017**, 58, 178-182	0.9	1
395	3D free convective MHD flow of nanofluid over permeable linear stretching sheet with thermal radiation. *Powder Technology*, **2017**, 315, 205-215	5.2	112
394	Mathematical model for ciliary-induced transport in MHD flow of Cu-H 2 O nanofluids with magnetic induction. *Chinese Journal of Physics*, **2017**, 55, 947-962	3.5	29

393	Advanced Study of Unsteady Heat and Chemical Reaction with Ramped Wall and Slip Effect on a Viscous Fluid. *Communications in Theoretical Physics*, **2017**, 67, 301	2.4	6
392	Impinging of metallic nanoparticles along with the slip effects through a porous medium with MHD. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, **2017**, 39, 2535-2560	2	21
391	Squeezed flow of a nanofluid with Cattaneo□Christov heat and mass fluxes. *Results in Physics*, **2017**, 7, 862-869	3.7	55
390	Natural Propulsion with Lorentz Force and Nanoparticles in a Bioinspired Lopsided Ciliated Channel. *Journal of Bionic Engineering*, **2017**, 14, 172-181	2.7	5
389	Analysis of Combined Convective and Viscous Dissipation Effects for Peristaltic Flow of Rabinowitsch Fluid Model. *Journal of Bionic Engineering*, **2017**, 14, 182-190	2.7	32
388	Numerical analysis of 3D micropolar nanofluid flow induced by an exponentially stretching surface embedded in a porous medium. *European Physical Journal Plus*, **2017**, 132, 1	3.1	14
387	Biomedical theoretical investigation of blood mediated nanoparticles (Ag-Al2O3/blood) impact on hemodynamics of overlapped stenotic□artery. *Journal of Molecular Liquids*, **2017**, 248, 809-821	6	33
386	Aspects of developed heat and mass flux models on 3D flow of Eyring-Powell fluid. *Results in Physics*, **2017**, 7, 3910-3917	3.7	20
385	A biomedical solicitation examination of nanoparticles as drug agents to minimize the hemodynamics of a stenotic channel. *European Physical Journal Plus*, **2017**, 132, 1	3.1	28
384	Metachronal wave analysis for non-Newtonian fluid under thermophoresis and Brownian motion effects. *Results in Physics*, **2017**, 7, 2950-2957	3.7	11
383	A mathematical analysis of time dependent flow on a rotating cone in a rheological fluid. *Propulsion and Power Research*, **2017**, 6, 233-241	3.6	18
382	Ferrite nanoparticles Ni- ZnFe2O4 , Mn- ZnFe2O4 and Fe2O4 in the flow of ferromagnetic nanofluid. *European Physical Journal Plus*, **2017**, 132, 1	3.1	53
381	Heat transfer analysis with temperature-dependent viscosity for the peristaltic flow of nano fluid with shape factor over heated tube. *International Journal of Hydrogen Energy*, **2017**, 42, 25088-25101	6.7	13
380	Mathematical analysis of ferromagnetic fluid embedded in a porous medium. *Results in Physics*, **2017**, 7, 2361-2368	3.7	23
379	Chemically reactive species in the flow of a Maxwell fluid. *Results in Physics*, **2017**, 7, 2607-2613	3.7	45
378	Permeability conditions for the physiological viscous nanofluid: endoscopic analysis for uniform and non-uniform tubes. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, **2017**, 39, 3413-3423	2	1
377	Effects of magnetohydrodynamics and hybrid nanoparticles on a micropolar fluid with 6-types of stenosis. *Results in Physics*, **2017**, 7, 4130-4139	3.7	38
376	A Clot Model Examination: with Impulsion of Nanoparticles under Influence of Variable Viscosity and Slip Effects. *Communications in Theoretical Physics*, **2017**, 68, 667	2.4	22

375	Effect of homogeneous-heterogeneous reactions on ferrofluid in the presence of magnetic dipole along a stretching cylinder. *Results in Physics*, **2017**, 7, 3574-3582	3.7	24
374	Rheological Analysis of CNT Suspended Nanofluid with Variable Viscosity: Numerical Solution. *Communications in Theoretical Physics*, **2017**, 67, 681	2.4	7
373	Role of Inclined Magnetic Field and Copper Nanoparticles on Peristaltic Flow of Nanofluid through Inclined Annulus: Application of the Clot Model. *Communications in Theoretical Physics*, **2017**, 67, 704	2.4	17
372	Heat transfer enhancement with Ag□CuO/water hybrid nanofluid. *Results in Physics*, **2017**, 7, 2317-2324	3.7	238
371	Entropy analysis of radioactive rotating nanofluid with thermal slip. *Applied Thermal Engineering*, **2017**, 112, 832-840	5.8	49
370	Bio-mathematical analysis for the peristaltic flow of single wall carbon nanotubes under the impact of variable viscosity and wall properties. *Computer Methods and Programs in Biomedicine*, **2017**, 139, 137-147	6.9	41
369	MHD convective heat transfer of nanofluids through a flexible tube with buoyancy: A study of nano-particle shape effects. *Advanced Powder Technology*, **2017**, 28, 453-462	4.6	27
368	Exploration of single wall carbon nanotubes for the peristaltic motion in a curved channel with variable viscosity. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, **2017**, 39, 117-125	2	15
367	BIOPHYSICAL HEAT TRANSFER STUDY FOR THE CONTRACTION AND EXPANSION OF MUSCLES WITH MULTI-WALL CARBON NANOTUBES. *Journal of Mechanics in Medicine and Biology*, **2017**, 17, 1750014	0.7	2
366	Numerical study of non-Newtonian fluid flow over an exponentially stretching surface: an optimal HAM validation. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, **2017**, 39, 1589-1596	2	13
365	Model based study of SWCNT and MWCNT thermal conductivities effect on the heat transfer due to the oscillating wall conditions. *International Journal of Hydrogen Energy*, **2017**, 42, 28945-28957	6.7	35
364	Biomathematical study of time-dependent flow of a Carreau nanofluid through inclined catheterized arteries with overlapping stenosis. *Journal of Central South University*, **2017**, 24, 2725-2744	2.1	18
363	DOUBLE-DIFFUSIVE NATURAL CONVECTIVE PERISTALTIC PRANDTL FLOW IN A POROUS CHANNEL SATURATED WITH A NANOFLUID. *Heat Transfer Research*, **2017**, 48, 283-290	3.9	12
362	MHD effect on nanofluid with energy and hydrothermal behavior between two collateral plates: Application of new semi analytical technique. *Thermal Science*, **2017**, 21, 2081-2093	1.2	4
361	A Balloon Model Examination with Impulsion of Cu-Nanoparticles as Drug Agent through Stenosed Tapered Elastic Artery. *Journal of Applied Fluid Mechanics*, **2017**, 10, 1773-1783	1.5	13
360	Series solution of magneto-hydrodynamic boundary layer flow over bi-directional exponentially stretching surfaces. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, **2016**, 38, 443-453	2	5
359	Ferromagnetic effects for peristaltic flow of Cu□water nanofluid for different shapes of nanosize particles. *Applied Nanoscience (Switzerland)*, **2016**, 6, 379-385	3.3	32
358	Impulsion of induced magnetic field for Brownian motion of nanoparticles in peristalsis. *Applied Nanoscience (Switzerland)*, **2016**, 6, 359-370	3.3	35

357	Influence of thermal and velocity slip on the peristaltic flow of Cu-water nanofluid with magnetic field. *Applied Nanoscience (Switzerland)*, **2016**, 6, 417-423	3.3	3
356	A numerical study of magnetohydrodynamic transport of nanofluids over a vertical stretching sheet with exponential temperature-dependent viscosity and buoyancy effects. *Chemical Physics Letters*, **2016**, 661, 20-30	2.5	78
355	A modified two-phase mixture model of nanofluid flow and heat transfer in a 3-D curved microtube. *Advanced Powder Technology*, **2016**, 27, 2175-2185	4.6	147
354	Impact of Linear Operator on the Convergence of HAM Solution: a Modified Operator Approach. *Advances in Applied Mathematics and Mechanics*, **2016**, 8, 499-516	2.1	2
353	Effect of variable thermal conductivity and thermal radiation with CNTS suspended nanofluid over a stretching sheet with convective slip boundary conditions: Numerical study. *Journal of Molecular Liquids*, **2016**, 222, 279-286	6	59
352	Phase flow study of MHD nanofluid with slip effects on oscillatory oblique stagnation point flow in view of inclined magnetic field. *Journal of Molecular Liquids*, **2016**, 224, 1210-1219	6	25
351	Hypothetical analysis for peristaltic transport of metallic nanoparticles in an inclined annulus with variable viscosity. *Bulletin of the Polish Academy of Sciences: Technical Sciences*, **2016**, 64, 447-454		1
350	Examination of nanoparticles as a drug carrier on blood flow through catheterized composite stenosed artery with permeable walls. *Computer Methods and Programs in Biomedicine*, **2016**, 133, 83-94	6.9	24
349	Influences of slip and Cu-blood nanofluid in a physiological study of cilia. *Computer Methods and Programs in Biomedicine*, **2016**, 131, 169-80	6.9	25
348	Bio mathematical venture for the metallic nanoparticles due to ciliary motion. *Computer Methods and Programs in Biomedicine*, **2016**, 134, 43-51	6.9	20
347	Boundary Layer Flow of Rotating Two Phase Nanofluid Over a Stretching Surface. *Heat Transfer - Asian Research*, **2016**, 45, 285-298	2.8	15
346	Surface Reforming of Diamond Particles by the Dispersion Enhancement in Common Liquids. *Arabian Journal for Science and Engineering*, **2016**, 41, 97-103		
345	Rheological properties of Reiner-Rivlin fluid model for blood flow through tapered artery with stenosis. *Journal of the Egyptian Mathematical Society*, **2016**, 24, 138-142	2.2	12
344	Time-Dependent Second-Order Viscoelastic Fluid Flow on Rotating Cone with Heat Generation and Chemical Reaction. *Journal of Aerospace Engineering*, **2016**, 29, 04016009	1.4	15
343	Water driven flow of carbon nanotubes in a rotating channel. *Journal of Molecular Liquids*, **2016**, 214, 136-144	6	58
342	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
341	Single wall carbon nanotube (SWCNT) analysis on peristaltic flow in an inclined tube with permeable walls. *International Journal of Heat and Mass Transfer*, **2016**, 97, 794-802	4.9	34
340	Impulsion of nanoparticles as a drug carrier for the theoretical investigation of stenosed arteries with induced magnetic effects. *Journal of Magnetism and Magnetic Materials*, **2016**, 410, 230-241	2.8	24

339	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
338	The study of (Cu, TiO2, Al2O3) nanoparticles as antimicrobials of blood flow through diseased arteries. *Journal of Molecular Liquids*, **2016**, 216, 615-623	6	32
337	Entropy generation analysis for metachronal beating of ciliated Cu-water nanofluid with magnetic field. *International Journal of Exergy*, **2016**, 19, 41	1.2	8
336	Double-diffusive natural convective boundary-layer flow of a nanofluid over a stretching sheet with magnetic field. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2016**, 26, 108-121	4.5	34
335	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
334	Magnetic field analysis in a suspension of gyrotactic microorganisms and nanoparticles over a stretching surface. *Journal of Magnetism and Magnetic Materials*, **2016**, 410, 72-80	2.8	59
333	Theoretical examination of nanoparticles as a drug carrier with slip effects on the wall of stenosed arteries. *International Journal of Heat and Mass Transfer*, **2016**, 93, 1137-1149	4.9	15
332	MECHANICS OF BIOLOGICAL BLOOD FLOW ANALYSIS THROUGH CURVED ARTERY WITH STENOSIS. *Journal of Mechanics in Medicine and Biology*, **2016**, 16, 1650024	0.7	3
331	Effects of transverse magnetic field on a rotating micropolar fluid between parallel plates with heat transfer. *Journal of Magnetism and Magnetic Materials*, **2016**, 401, 1006-1014	2.8	48
330	NANOPARTICLE FRACTION IN AN ANNULUS IN THE JEFFREY FLUID MODEL. *Heat Transfer Research* , **2016**, 47, 707-720	3.9	2
329	Analysis of MHD Williamson Nano Fluid Flow over a Heated Surface. *Journal of Applied Fluid Mechanics*, **2016**, 9, 729-739	1.5	21
328	Influence of Magnetic Field and Slip on Jeffrey Fluid in a Ciliated Symmetric Channel with Metachronal Wave Pattern. *Journal of Applied Fluid Mechanics*, **2016**, 9, 565-572	1.5	12
327	Non-Aligned Ethylene-Glycol 30% Based Stagnation Point Fluid over a Stretching Surface with Hematite Nano Particles. *Journal of Applied Fluid Mechanics*, **2016**, 9, 1359-1366	1.5	24
326	Theoretical Analysis of Shear Thinning Hyperbolic Tangent Fluid Model for Blood Flow in Curved Artery with Stenosis. *Journal of Applied Fluid Mechanics*, **2016**, 9, 2217-2227	1.5	2
325	MHD dissipative flow and heat transfer of Casson fluids due to metachronal wave propulsion of beating cilia with thermal and velocity slip effects under an oblique magnetic field. *Acta Astronautica*, **2016**, 128, 1-12	2.9	50
324	Theoretical analysis of entropy generation in peristaltic transport of nanofluid in an asymmetric channel. *International Journal of Exergy*, **2016**, 20, 294	1.2	8
323	Induced magnetic field stagnation point flow of nanofluid past convectively heated stretching sheet with Buoyancy effects. *Chinese Physics B*, **2016**, 25, 114701	1.2	12
322	Physiological flow of Carreau fluid due to ciliary motion. *AIP Advances*, **2016**, 6, 035125	1.5	9

321	Physiological Flow of Jeffrey Six Constant Fluid Model due to Ciliary Motion. *Communications in Theoretical Physics*, **2016**, 66, 701-708	2.4	1
320	The Effect of Variable Viscosities on Micropolar Flow of Two Nanofluids. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2016**, 71, 1121-1129	1.4	22
319	Inspiration of induced magnetic field on nano hyperbolic tangent fluid in a curved channel. *AIP Advances*, **2016**, 6, 015110	1.5	31
318	Ciliary motion phenomenon of viscous nanofluid in a curved channel with wall properties. *European Physical Journal Plus*, **2016**, 131, 1	3.1	7
317	Non-Newtonian model study for blood flow through a tapered artery with a stenosis. *AEJ - Alexandria Engineering Journal*, **2016**, 55, 321-329	6.1	8
316	Blood flow suspension in tapered stenosed arteries for Walter's B fluid model. *Computer Methods and Programs in Biomedicine*, **2016**, 132, 45-55	6.9	12
315	MODELING NANOPARTICLE GEOMETRY EFFECTS ON PERISTALTIC PUMPING OF MEDICAL MAGNETOHYDRODYNAMIC NANOFLUIDS WITH HEAT TRANSFER. *Journal of Mechanics in Medicine and Biology*, **2016**, 16, 1650088	0.7	26
314	Natural Convective Flow Analysis For Nanofluids With Reynold,s Model of Viscosity. *International Journal of Chemical Reactor Engineering*, **2016**, 14, 1101-1111	1.2	4
313	Impact of stratification and Cattaneo-Christov heat flux in the flow saturated with porous medium. *Journal of Molecular Liquids*, **2016**, 224, 423-430	6	65
312	Impact of curvature on the mixed convective peristaltic flow of shear thinning fluid with nanoparticles. *Canadian Journal of Physics*, **2016**, 94, 1319-1330	1.1	12
311	Mixed convective oblique flow of a Casson fluid with partial slip, internal heating and homogeneous□heterogeneous reactions. *Journal of Molecular Liquids*, **2016**, 222, 1010-1019	6	53
310	A comparative analysis on different nanofluid models for the oscillatory stagnation point flow. *European Physical Journal Plus*, **2016**, 131, 1	3.1	32
309	Slip examination on the wall of tapered stenosed artery with emerging application of nanoparticles. *International Journal of Thermal Sciences*, **2016**, 109, 401-412	4.1	27
308	DFT study of structural, electronic, thermo-elastic properties and plausible origin of superconductivity due to quantum degenerate states in LaTiO3. *Journal of Theoretical and Computational Chemistry*, **2016**, 15, 1650044	1.8	11
307	Theoretical Analysis of Metallic Nanoparticles on Blood Flow Through Tapered Elastic Artery With Overlapping Stenosis. *IEEE Transactions on Nanobioscience*, **2015**, 14, 417-428	3.4	19
306	Numerical investigation on MHD oblique flow of Walter's B type nano fluid over a convective surface. *International Journal of Thermal Sciences*, **2015**, 92, 162-172	4.1	45
305	Theoretical Analysis of Cu-Blood Nanofluid for Metachronal Wave of Cilia Motion in a Curved Channel. *IEEE Transactions on Nanobioscience*, **2015**, 14, 447-454	3.4	25
304	Ferromagnetic CNT suspended H2O+Cu nanofluid analysis through composite stenosed arteries with permeable wall. *Physica E: Low-Dimensional Systems and Nanostructures*, **2015**, 72, 70-76	3	25

303	Mixed convection stagnation flow of a micropolar nanofluid along a vertically stretching surface with slip effects. *Meccanica*, **2015**, 50, 2007-2022	2.1	77
302	MHD squeezed flow of water functionalized metallic nanoparticles over a sensor surface. *Physica E: Low-Dimensional Systems and Nanostructures*, **2015**, 73, 45-53	3	67
301	Analytical study of third grade fluid over a rotating vertical cone in the presence of nanoparticles. *International Journal of Heat and Mass Transfer*, **2015**, 85, 1041-1048	4.9	46
300	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
299	Mathematical analysis of Phan-Thien□Tanner fluid model for blood in arteries. *International Journal of Biomathematics*, **2015**, 08, 1550064	1.8	
298	Peristaltic Flow of Sutterby Nano Fluid in a Curved Channel with Compliant Walls. *Journal of Computational and Theoretical Nanoscience*, **2015**, 12, 226-233	0.3	6
297	Biofluidics Study in Digestive System with Thermal Conductivity of Shape Nanosize H2O+Cu Nanoparticles. *Journal of Bionic Engineering*, **2015**, 12, 656-663	2.7	18
296	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
295	Endoscopy Analysis for the Peristaltic Flow of Nanofluids Containing Carbon Nanotubes with Heat Transfer. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2015**, 70, 745-755	1.4	10
294	Influence of Metallic Nanoparticles on Blood Flow Through Arteries Having Both Stenosis and Aneurysm. *IEEE Transactions on Nanobioscience*, **2015**, 14, 668-79	3.4	16
293	Effects of nanoparticles on the peristaltic motion of tangent hyperbolic fluid model in an annulus. *AEJ - Alexandria Engineering Journal*, **2015**, 54, 843-851	6.1	24
292	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
291	Mathematical study for peristaltic flow of Williamson fluid in a curved channel. *International Journal of Biomathematics*, **2015**, 08, 1550005	1.8	7
290	Theoretical analysis of slip flow on a rotating cone with viscous dissipation effects. *Journal of Hydrodynamics*, **2015**, 27, 616-623	3.3	30
289	Crystal structure and biological properties of a tetranuclear zinc(II) complex of cysteamine, [Zn4Cym4Cl4] prepared in the presence of diamines. *Russian Journal of Inorganic Chemistry*, **2015**, 60, 1568-1572	1.5	6
288	Effects of partial slip on the peristaltic transport of a hyperbolic tangent fluid model in an asymmetric channel. *Computational Mathematics and Mathematical Physics*, **2015**, 55, 1899-1912	0.9	3
287	Buoyancy and Radiation Effect on Stagnation Point Flow of Micropolar Nanofluid Along a Vertically Convective Stretching Surface. *IEEE Nanotechnology Magazine*, **2015**, 14, 42-50	2.6	56
286	Theoretical analysis of metallic nanoparticles on blood flow through stenosed artery with permeable walls. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2015**, 379, 542-554	2.3	57

285	Combined effects of magnetic field and partial slip on obliquely striking rheological fluid over a stretching surface. *Journal of Magnetism and Magnetic Materials*, **2015**, 378, 457-462	2.8	46
284	MHD Boundary Layer Flow of a Nanofluid Passed through a Porous Shrinking Sheet with Thermal Radiation. *Journal of Aerospace Engineering*, **2015**, 28, 04014061	1.4	27
283	Nanoparticle effect over the boundary layer flow over an exponentially stretching cylinder. *Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems*, **2015**, 229, 17-22		
282	Thermal radiation and slip effects on MHD stagnation point flow of nanofluid over a stretching sheet. *Physica E: Low-Dimensional Systems and Nanostructures*, **2015**, 65, 17-23	3	146
281	Convective heat transfer in MHD slip flow over a stretching surface in the presence of carbon nanotubes. *Physica B: Condensed Matter*, **2015**, 457, 40-47	2.8	151
280	Trapping study of nanofluids in an annulus with cilia. *AIP Advances*, **2015**, 5, 127204	1.5	14
279	Physiological breakdown of Jeffrey six constant nanofluid flow in an endoscope with nonuniform wall. *AIP Advances*, **2015**, 5, 127143	1.5	0
278	Single wall carbon nanotube (SWCNT) examination on blood flow through a multiple stenosed artery with variable nanofluid viscosity. *AIP Advances*, **2015**, 5, 107217	1.5	19
277	Peristaltic Flow of a Sutterby Nanofluid with Double-Diffusive Natural Convection. *Journal of Computational and Theoretical Nanoscience*, **2015**, 12, 1546-1552	0.3	13
276	Mathematical Analysis for Peristaltic Flow of Two Phase Nanofluid in a Curved Channel. *Communications in Theoretical Physics*, **2015**, 64, 547-554	2.4	37
275	Optimal and Numerical Solutions for an MHD Micropolar Nanofluid between Rotating Horizontal Parallel Plates. *PLoS ONE*, **2015**, 10, e0124016	3.7	30
274	Oblique stagnation flow of Jeffery fluid over a stretching convective surface. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2015**, 25, 454-471	4.5	26
273	Application of Rabinowitsch Fluid Model for the Mathematical Analysis of Peristaltic Flow in a Curved Channel. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2015**, 70, 513-520	1.4	15
272	Metachronal Wave of Cilia Transport in a Curved Channel. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2015**, 70, 33-38	1.4	18
271	A New Thermal Conductivity Model With Shaped Factor Ferromagnetism Nanoparticles Study for the Blood Flow in Non-Tapered Stenosed Arteries. *IEEE Transactions on Nanobioscience*, **2015**, 14, 780-9	3.4	9
270	An Optimized Study of Mixed Convection Flow of a Rotating Jeffrey Nanofluid on a Rotating Vertical Cone. *Journal of Computational and Theoretical Nanoscience*, **2015**, 12, 3028-3035	0.3	11
269	Double-Diffusive Natural Convective Peristaltic Flow of a Nanofluid in an Asymmetric Porous Channel. *Journal of Computational and Theoretical Nanoscience*, **2015**, 12, 1553-1559	0.3	4
268	Study of Radially Varying Magnetic Field on Blood Flow through Catheterized Tapered Elastic Artery with Overlapping Stenosis. *Communications in Theoretical Physics*, **2015**, 64, 537-546	2.4	8

267	Oblique Stagnation Point Flow of Carbon Nano Tube Based Fluid Over a Convective Surface. *Journal of Computational and Theoretical Nanoscience*, **2015**, 12, 605-612	0.3	14
266	Partial slip effect on non-aligned stagnation point nanofluid over a stretching convective surface. *Chinese Physics B*, **2015**, 24, 014702	1.2	11
265	MHD boundary layer flow over an unsteady shrinking sheet: analytical and numerical approach. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, **2015**, 37, 1339-1346	2	11
264	Numerical solutions of Williamson fluid with pressure dependent viscosity. *Results in Physics*, **2015**, 5, 20-25	3.7	31
263	Unsteady MHD Boundary Layer Flow of a Couple Stress Nano Fluid Over a Stretching/Shrinking Surface with Convective Boundary Condition. *Journal of Computational and Theoretical Nanoscience* , **2015**, 12, 4408-4414	0.3	2
262	Effects of heat and mass transfer on peristaltic flow of a Bingham fluid in the presence of inclined magnetic field and channel with different wave forms. *Journal of Magnetism and Magnetic Materials* , **2014**, 362, 184-192	2.8	46
261	Simulation of peristaltic flow of chyme in small intestine for couple stress fluid. *Meccanica*, **2014**, 49, 325-334	2.1	24
260	The boundary layer flow of Casson nanofluid over a vertical exponentially stretching cylinder. *Applied Nanoscience (Switzerland)*, **2014**, 4, 869-873	3.3	81
259	Thermal and velocity slip effects on the MHD peristaltic flow with carbon nanotubes in an asymmetric channel: application of radiation therapy. *Applied Nanoscience (Switzerland)*, **2014**, 4, 849-857	3.3	29
258	The combined effects of slip and convective boundary conditions on stagnation-point flow of CNT suspended nanofluid over a stretching sheet. *Journal of Molecular Liquids*, **2014**, 196, 21-25	6	99
257	Consequence of nanofluid on peristaltic transport of a hyperbolic tangent fluid model in the occurrence of apt (tending) magnetic field. *Journal of Magnetism and Magnetic Materials*, **2014**, 358-359, 183-191	2.8	30
256	Heat transfer analysis of Williamson fluid over exponentially stretching surface. *Applied Mathematics and Mechanics (English Edition)*, **2014**, 35, 489-502	3.2	42
255	Flows of Carreau fluid with pressure dependent viscosity in a variable porous medium: Application of polymer melt. *AEJ - Alexandria Engineering Journal*, **2014**, 53, 427-435	6.1	13
254	Buoyancy and metallic particle effects on an unsteady water-based fluid flow along a vertically rotating cone. *European Physical Journal Plus*, **2014**, 129, 1	3.1	19
253	Metachronal beating of cilia under influence of Hartmann layer and heat transfer. *European Physical Journal Plus*, **2014**, 129, 1	3.1	24
252	Thermo-diffusion effects on MHD oblique stagnation-point flow of a viscoelastic fluid over a convective surface. *European Physical Journal Plus*, **2014**, 129, 1	3.1	14
251	Significance of Nanofluid and Partial Slip on the Peristaltic Transport of a Non-Newtonian Fluid with Different Wave Forms. *IEEE Nanotechnology Magazine*, **2014**, 13, 375-385	2.6	22
250	Blood flow analysis of Prandtl fluid model in tapered stenosed arteries. *Ain Shams Engineering Journal*, **2014**, 5, 1267-1275	4.4	24

249	Copper nanoparticle analysis for peristaltic flow in a curved channel with heat transfer characteristics. *European Physical Journal Plus*, **2014**, 129, 1	3.1	9
248	Nano fluid flow in tapering stenosed arteries with permeable walls. *International Journal of Thermal Sciences*, **2014**, 85, 54-61	4.1	53
247	Convective heat transfer and MHD effects on Casson nanofluid flow over a shrinking sheet. *Open Physics*, **2014**, 12,	1.3	22
246	MHD stagnation point flow of Carreau fluid toward a permeable shrinking sheet: Dual solutions. *Ain Shams Engineering Journal*, **2014**, 5, 1233-1239	4.4	72
245	Biological analysis of Jeffrey nanofluid in a curved channel with heat dissipation. *IEEE Transactions on Nanobioscience*, **2014**, 13, 431-7	3.4	6
244	Model-based analysis of micropolar nanofluid flow over a stretching surface. *European Physical Journal Plus*, **2014**, 129, 1	3.1	53
243	Carreau fluid model for blood flow through a tapered artery with a stenosis. *Ain Shams Engineering Journal*, **2014**, 5, 1307-1316	4.4	44
242	Dual solutions in MHD stagnation-point flow of Prandtl fluid impinging on shrinking sheet. *Applied Mathematics and Mechanics (English Edition)*, **2014**, 35, 813-820	3.2	48
241	Peristaltic Flow of Viscous Fluid in a Rectangular Duct with Compliant Walls. *Computational Mathematics and Modeling*, **2014**, 25, 404-415	0.5	12
240	Peristaltic impulsion of MHD biviscosity fluid in a lopsided channel: Closed-form solution. *European Physical Journal Plus*, **2014**, 129, 1	3.1	15
239	MHD Three-Dimensional Boundary Layer Flow of Casson Nanofluid Past a Linearly Stretching Sheet With Convective Boundary Condition. *IEEE Nanotechnology Magazine*, **2014**, 13, 109-115	2.6	115
238	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
237	Exponentially Stagnation Point Flow of Non-Newtonian Nanofluid over an Exponentially Stretching Surface. *International Journal of Nonlinear Sciences and Numerical Simulation*, **2014**, 15,	1.8	3
236	Analytical Study of Rotating Non-Newtonian Nanofluid on a Rotating Cone. *Journal of Thermophysics and Heat Transfer*, **2014**, 28, 295-302	1.3	14
235	Heat transfer analysis of water-based nanofluid over an exponentially stretching sheet. *AEJ - Alexandria Engineering Journal*, **2014**, 53, 219-224	6.1	105
234	Peristaltic transport of a Carreau fluid in a compliant rectangular duct. *AEJ - Alexandria Engineering Journal*, **2014**, 53, 475-484	6.1	42
233	Optimized analytical solution for oblique flow of a Casson-nano fluid with convective boundary conditions. *International Journal of Thermal Sciences*, **2014**, 78, 90-100	4.1	100
232	Mixed convection flow of Eyring–Powell fluid along a rotating cone. *Results in Physics*, **2014**, 4, 54-62	3.7	52

231	The boundary layer flow of hyperbolic tangent fluid over a vertical exponentially stretching cylinder. *AEJ - Alexandria Engineering Journal*, **2014**, 53, 747-750	6.1	55
230	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
229	Numerical simulation of peristaltic flow of a Carreau nanofluid in an asymmetric channel. *AEJ - Alexandria Engineering Journal*, **2014**, 53, 191-197	6.1	61
228	Exact solution of peristaltic flow of biviscosity fluid in an endoscope: A note. *AEJ - Alexandria Engineering Journal*, **2014**, 53, 449-454	6.1	20
227	Unsteady mixed convection flow of nanofluid on a rotating cone with magnetic field. *Applied Nanoscience (Switzerland)*, **2014**, 4, 405-414	3.3	29
226	Nanoparticles Fraction on the Peristaltic Flow of Third Order Fluid. *Journal of Computational and Theoretical Nanoscience*, **2014**, 11, 47-52	0.3	7
225	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
224	Peristaltic Flow of a Prandtl Nano Fluid in an Asymmetric Porous Channel: Numerical Solutions. *Journal of Computational and Theoretical Nanoscience*, **2014**, 11, 1342-1348	0.3	5
223	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
222	Influence of heat and chemical reactions on the Sisko fluid model for blood flow through a tapered artery with a mild stenosis. *Quaestiones Mathematicae*, **2014**, 37, 157-177	0.6	9
221	Blood flow analysis in tapered stenosed arteries with pseudoplastic characteristics. *International Journal of Biomathematics*, **2014**, 07, 1450065	1.8	7
220	Blood flow study of Williamson fluid through stenosed arteries with permeable walls. *European Physical Journal Plus*, **2014**, 129, 1	3.1	7
219	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
218	Peristaltic transport of a Maxwell fluid in a porous asymmetric channel through a porous medium. *Cogent Engineering*, **2014**, 1, 980770	1.5	4
217	Squeezed flow and heat transfer in a second grade fluid over a sensor surface. *Thermal Science*, **2014**, 18, 357-364	1.2	3
216	Theoretical Analysis for Peristaltic Flow of Carreau Nano Fluid in a Curved Channel with Compliant Walls. *Journal of Computational and Theoretical Nanoscience*, **2014**, 11, 1443-1452	0.3	8
215	Effect of Thermal Radiation for Megnetohydrodynamic Boundary Layer Flow of a Nanofluid Past a Stretching Sheet with Convective Boundary Conditions. *Journal of Computational and Theoretical Nanoscience*, **2014**, 11, 32-40	0.3	73
214	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

213	Oblique Stagnation Point Flow of a Casson-Nano Fluid Towards a Stretching Surface with Heat Transfer. *Journal of Computational and Theoretical Nanoscience*, **2014**, 11, 1422-1432	0.3	34
212	Series solution of unsteady peristaltic flow of a Carreau fluid in small intestines. *International Journal of Biomathematics*, **2014**, 07, 1450049	1.8	9
211	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
210	Application of Rabinowitsch Fluid Model in Peristalsis. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2014**, 69, 473-480	1.4	12
209	Unsteady Oscillatory Stagnation Point Flow of a Jeffrey Fluid. *Journal of Aerospace Engineering*, **2014**, 27, 636-643	1.4	9
208	Nanoparticles analysis on the blood flow through a tapered catheterized elastic artery with overlapping stenosis. *European Physical Journal Plus*, **2014**, 129, 1	3.1	28
207	Series solution of unsteady peristaltic flow of a Carreau fluid in eccentric cylinders. *Ain Shams Engineering Journal*, **2014**, 5, 293-304	4.4	19
206	Numerical study of MHD boundary layer flow of a Maxwell fluid past a stretching sheet in the presence of nanoparticles. *Journal of the Taiwan Institute of Chemical Engineers*, **2014**, 45, 121-126	5.3	186
205	Numerical solution of non-Newtonian nanofluid flow over a stretching sheet. *Applied Nanoscience (Switzerland)*, **2014**, 4, 625-631	3.3	83
204	A theoretical study of Prandtl nanofluid in a rectangular duct through peristaltic transport. *Applied Nanoscience (Switzerland)*, **2014**, 4, 753-760	3.3	34
203	Mathematical model for the peristaltic flow of nanofluid through eccentric tubes comprising porous medium. *Applied Nanoscience (Switzerland)*, **2014**, 4, 733-743	3.3	8
202	Peristaltic Sisko nano fluid in an asymmetric channel. *Applied Nanoscience (Switzerland)*, **2014**, 4, 663-673	3.3	23
201	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
200	Investigation of peristaltic flow of Williamson nanofluid in a curved channel with compliant walls. *Applied Nanoscience (Switzerland)*, **2014**, 4, 511-521	3.3	31
199	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
198	The mathematical analysis for peristaltic flow of nano fluid in a curved channel with compliant walls. *Applied Nanoscience (Switzerland)*, **2014**, 4, 85-92	3.3	16
197	Unsteady Mixed Convection Flow of a Rotating Second-Grade Fluid on a Rotating Cone. *Heat Transfer - Asian Research*, **2014**, 43, 204-220	2.8	2
196	Blood flow of nanofluid through an artery with composite stenosis and permeable walls. *Applied Nanoscience (Switzerland)*, **2014**, 4, 919-926	3.3	61

195	Flow and heat transfer analysis of Williamson nanofluid. *Applied Nanoscience (Switzerland)*, **2014**, 4, 1005-1012	3.3	102
194	Influence of Lateral Walls on Peristaltic Flow of a Couple Stress Fluid in a Non-Uniform Rectangular Duct. *Applied Mathematics and Information Sciences*, **2014**, 8, 1127-1133	2.4	8
193	Theoretical Investigation of MHD Nanofluid Flow Over a Rotating Cone: An Optimal Solutions. *Information Sciences Letters*, **2014**, 3, 55-62	3.2	15
192	SIMULATION OF THE SECOND-GRADE FLUID MODEL AND HEATING SCHEME OF THE BLOOD FLOW THROUGH A TAPERED ARTERY WITH MASS TRANSFER. *Heat Transfer Research*, **2014**, 45, 391-408	3.9	6
191	Analysis of Nanoparticles on Peristaltic Flow of Prandtl Fluid Model in an Endoscopy. *Current Nanoscience*, **2014**, 10, 709-721	1.4	13
190	Partial Slip Effects on a Rotating Flow of Two Phase Nano Fluid Over a Stretching Surface. *Current Nanoscience*, **2014**, 10, 846-854	1.4	13
189	Inspiration of Induced Magnetic Field on a Blood Flow of Prandtl Nanofluid Model with Stenosis. *Current Nanoscience*, **2014**, 10, 753-765	1.4	21
188	Free Convective MHD Peristaltic Flow of a Jeffrey Nanofluid with Convective Surface Boundary Condition: A Biomedicine--Nano Model. *Current Nanoscience*, **2014**, 10, 432-440	1.4	21
187	Peristaltic flow of a micropolar fluid with nano particles in small intestine. *Applied Nanoscience (Switzerland)*, **2013**, 3, 461-468	3.3	15
186	Axisymmetric stagnation flow of a nanofluid in a moving cylinder. *Computational Mathematics and Modeling*, **2013**, 24, 293-306	0.5	5
185	Three dimensional peristaltic flow of Williamson fluid in a rectangular duct. *Indian Journal of Physics* , **2013**, 87, 1275-1281	1.4	32
184	Numerical solutions of Magnetohydrodynamic boundary layer flow of tangent hyperbolic fluid towards a stretching sheet. *Indian Journal of Physics*, **2013**, 87, 1121-1124	1.4	133
183	Nanoparticle analysis for blood flow of Prandtl fluid model with stenosis. *International Nano Letters* , **2013**, 3, 1	5.7	23
182	Numerical and analytical treatment on peristaltic flow of Williamson fluid in the occurrence of induced magnetic field. *Journal of Magnetism and Magnetic Materials*, **2013**, 346, 142-151	2.8	35
181	Characteristics of Jeffrey fluid model for peristaltic flow of chyme in small intestine with magnetic field. *Results in Physics*, **2013**, 3, 152-160	3.7	32
180	Radiation effects on MHD stagnation point flow of nano fluid towards a stretching surface with convective boundary condition. *Chinese Journal of Aeronautics*, **2013**, 26, 1389-1397	3.7	127
179	Biomathematical study of non-Newtonian nanoﬂuid in a diverging tube. *Heat Transfer - Asian Research*, **2013**, 42, 389-402	2.8	10
178	Analytical treatment of unsteady mixed convection MHD flow on a rotating cone in a rotating frame. *Journal of the Taiwan Institute of Chemical Engineers*, **2013**, 44, 596-604	5.3	44

177	Intestinal flow of a couple stress nanofluid in arteries. *IEEE Transactions on Nanobioscience*, **2013**, 12, 332-9	3.4	20
176	Numerical study of Williamson nano fluid flow in an asymmetric channel. *Results in Physics*, **2013**, 3, 161-166	3.7	43
175	MHD three-dimensional Casson fluid flow past a porous linearly stretching sheet. *AEJ - Alexandria Engineering Journal*, **2013**, 52, 577-582	6.1	199
174	Non-orthogonal stagnation point flow of a nano non-Newtonian fluid towards a stretching surface with heat transfer. *International Journal of Heat and Mass Transfer*, **2013**, 57, 679-689	4.9	88
173	Non-orthogonal stagnation point flow of a micropolar second grade fluid towards a stretching surface with heat transfer. *Journal of the Taiwan Institute of Chemical Engineers*, **2013**, 44, 586-595	5.3	22
172	Endoscopic Effects on the Peristaltic Flow of a Jeffrey Six-Constant Fluid Model with Variable Viscosity. *Journal of Aerospace Engineering*, **2013**, 26, 535-543	1.4	5
171	Peristaltic Flow of Hyperbolic Tangent Fluid in a Diverging Tube with Heat and Mass Transfer. *Journal of Energy Engineering - ASCE*, **2013**, 139, 124-135	1.7	7
170	Radiation effects on the thermal boundary layer flow of a micropolar fluid towards a permeable stretching sheet. *Journal of the Franklin Institute*, **2013**, 350, 194-210	4	21
169	Influence of induced magnetic field and heat transfer on the peristaltic motion of a Jeffrey fluid in an asymmetric channel: Closed form solutions. *Journal of Magnetism and Magnetic Materials*, **2013**, 328, 11-20	2.8	87
168	Nano Particle Analysis for the Steady Blood Flow of Jeffrey Fluid with Stenosis with New Analytical Techniques. *Journal of Computational and Theoretical Nanoscience*, **2013**, 10, 2751-2765	0.3	15
167	Nano Sutterby Fluid Model for the Peristaltic Flow in Small Intestines. *Journal of Computational and Theoretical Nanoscience*, **2013**, 10, 2491-2499	0.3	24
166	Nanoparticle Analysis for Non-Orthogonal Stagnation Point Flow of a Third Order Fluid Towards a Stretching Surface. *Journal of Computational and Theoretical Nanoscience*, **2013**, 10, 2737-2747	0.3	22
165	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
164	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
163	Biomechanical Analysis of Eyring Prandtl Fluid Model for Blood Flow in Stenosed Arteries. *International Journal of Nonlinear Sciences and Numerical Simulation*, **2013**, 14,	1.8	5
162	Influence of mixed convection on blood flow of Jeffrey fluid through a tapered stenosed artery. *Thermal Science*, **2013**, 17, 533-546	1.2	5
161	Effects of Induced Magnetic Field on the Peristaltic Flow of an Eyring-Powell Fluid. *Journal of Aerospace Engineering*, **2013**, 26, 835-841	1.4	4
160	An analytical and numerical study of peristaltic transport of a Johnson–Segalman fluid in an endoscope. *Chinese Physics B*, **2013**, 22, 014703	1.2	14

159	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
158	Numerical study of boundary layer flow and heat transfer of oldroyd-B nanofluid towards a stretching sheet. *PLoS ONE*, **2013**, 8, e69811	3.7	71
157	Mixed Convective Magnetohydrodynamic Peristaltic Flow of a Jeffrey Nanofluid with Newtonian Heating. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2013**, 68, 433-441	1.4	32
156	Influence of heat transfer on the nonorthogonal stagnation point flow of a third-order fluid towards a stretching surface. *Heat Transfer - Asian Research*, **2013**, 42, 319-334	2.8	2
155	The Mathematical Analysis for Peristaltic Flow of Hyperbolic Tangent Fluid in a Curved Channel. *Communications in Theoretical Physics*, **2013**, 59, 729-736	2.4	41
154	Flow of a Williamson fluid over a stretching sheet. *Brazilian Journal of Chemical Engineering*, **2013**, 30, 619-625	1.7	152
153	Boundary layer stagnation-point flow of a third grade fluid over an exponentially stretching sheet. *Brazilian Journal of Chemical Engineering*, **2013**, 30, 611-618	1.7	13
152	Modification of Diamond Particles for Improved Dispersion in Liquid Phase. *Asian Journal of Chemistry*, **2013**, 25, 9840-9844	0.4	2
151	Numerical Simulation of Nanoparticle Fraction for the Peristaltic Flow of a Six Constant Jeffreys Fluid Model. *Current Nanoscience*, **2013**, 9, 798-803	1.4	3
150	Boundary layer flow of nanofluid over an exponentially stretching surface. *Nanoscale Research Letters*, **2012**, 7, 94	5	110
149	Numerical treatment of Jeffrey fluid with pressure-dependent viscosity. *International Journal for Numerical Methods in Fluids*, **2012**, 68, 196-209	1.9	11
148	Peristaltic flow of a Phan-Thien-Tanner nanofluid in a diverging tube. *Heat Transfer - Asian Research*, **2012**, 41, 10-22	2.8	45
147	Influence of inclined magnetic field on peristaltic flow of a Jeffrey fluid with heat and mass transfer in an inclined symmetric or asymmetric channel. *Asia-Pacific Journal of Chemical Engineering*, **2012**, 7, 33-44	1.3	19
146	Endoscopic and heat transfer effects on the peristaltic flow of a third-order fluid with chemical reactions. *Asia-Pacific Journal of Chemical Engineering*, **2012**, 7, 45-54	1.3	4
145	Peristaltic flow of a nanofluid in a non-uniform tube. *Heat and Mass Transfer*, **2012**, 48, 451-459	2.2	67
144	Influence of Heat and Mass Transfer on Newtonian Biomagnetic Fluid of Blood Flow Through a Tapered Porous Arteries with a Stenosis. *Transport in Porous Media*, **2012**, 91, 81-100	3.1	12
143	Effects of heat and mass transfer peristaltic flow of Williamson fluid in a vertical annulus. *Meccanica*, **2012**, 47, 141-151	2.1	7
142	Endoscopic effects on the peristaltic flow of an Eyring Powell fluid. *Meccanica*, **2012**, 47, 687-697	2.1	14

141	The boundary layer flow and heat transfer of a nanofluid over a vertical, slender cylinder. *Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems*, **2012**, 226, 165-173		6
140	Simulation of Variable Viscosity and Jeffrey Fluid Model for Blood Flow Through a Tapered Artery with a Stenosis. *Communications in Theoretical Physics*, **2012**, 57, 133-140	2.4	24
139	Simulation of thermal and velocity slip on the peristaltic flow of a Johnson–Segalman fluid in an inclined asymmetric channel. *International Journal of Heat and Mass Transfer*, **2012**, 55, 5495-5502	4.9	14
138	Numerical and analytical simulation of the peristaltic flow of Jeffrey fluid with Reynold's model of viscosity. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2012**, 22, 458-472	4.5	14
137	Mixed Convection Heat Transfer in Micropolar Nanofluid over a Vertical Slender Cylinder. *Chinese Physics Letters*, **2012**, 29, 124701	1.8	22
136	Flow of a Non-Newtonian Nanofluid Between Coaxial Cylinders with Variable Viscosity. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2012**, 67, 255-261	1.4	7
135	Peristaltic Flow of a Carreau Fluid in a Rectangular Duct. *Journal of Fluids Engineering, Transactions of the ASME*, **2012**, 134,	2.1	19
134	MHD flow of a Casson fluid over an exponentially shrinking sheet. *Scientia Iranica*, **2012**, 19, 1550-1553	1.5	207
133	Simulation of heating scheme and chemical reactions on the peristaltic flow of an Eyring-Powell fluid. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2012**, 22, 764-776	4.5	8
132	MHD stagnation point flow towards heated shrinking surface subjected to heat generation/absorption. *Applied Mathematics and Mechanics (English Edition)*, **2012**, 33, 631-648	3.2	7
131	Peristaltic flow of a Jeffrey-six constant fluid in a uniform inclined tube. *International Journal for Numerical Methods in Fluids*, **2012**, 69, 1550-1565	1.9	
130	Simulation of heat and mass transfer on peristaltic flow of hyperbolic tangent fluid in an asymmetric channel. *International Journal for Numerical Methods in Fluids*, **2012**, 70, 1475-1493	1.9	12
129	Mixed convective heat and mass transfer on a peristaltic flow of a non-Newtonian fluid in a vertical asymmetric channel. *Heat Transfer - Asian Research*, **2012**, 41, 613-633	2.8	13
128	Peristaltic flow of a nanofluid with slip effects. *Meccanica*, **2012**, 47, 1283-1294	2.1	73
127	Characteristics of heating scheme and mass transfer on the peristaltic flow for an Eyring–Powell fluid in an endoscope. *International Journal of Heat and Mass Transfer*, **2012**, 55, 375-383	4.9	58
126	Peristaltic flow of a Williamson fluid in an inclined asymmetric channel with partial slip and heat transfer. *International Journal of Heat and Mass Transfer*, **2012**, 55, 1855-1862	4.9	49
125	Thermal and velocity slip effects on the peristaltic flow of a six constant Jeffreys fluid model. *International Journal of Heat and Mass Transfer*, **2012**, 55, 3964-3970	4.9	31
124	Boundary Layer Flow of Second Grade Fluid in a Cylinder with Heat Transfer. *Mathematical Problems in Engineering*, **2012**, 2012, 1-13	1.1	17

123	Axisymmetric Stagnation Flow of a Micropolar Nanofluid in a Moving Cylinder. *Mathematical Problems in Engineering*, **2012**, 2012, 1-18	1.1	17
122	Peristaltic Flow of Carreau Fluid in a Rectangular Duct through a Porous Medium. *Mathematical Problems in Engineering*, **2012**, 2012, 1-24	1.1	56
121	Analytical and Numerical Analysis of Vogel's Model of Viscosity on the Peristaltic Flow of Jeffrey Fluid. *Journal of Aerospace Engineering*, **2012**, 25, 64-70	1.4	10
120	HEAT TRANSFER ANALYSIS FOR THE PERISTALTIC FLOW OF CHYME IN SMALL INTESTINE: A THEORETICAL STUDY. *Journal of Mechanics in Medicine and Biology*, **2012**, 12, 1250035	0.7	4
119	Effects of heat and chemical reaction on Jeffrey fluid model with stenosis. *Applicable Analysis*, **2012**, 91, 1631-1647	0.8	8
118	Williamson Fluid Model for the Peristaltic Flow of Chyme in Small Intestine. *Mathematical Problems in Engineering*, **2012**, 2012, 1-18	1.1	8
117	Peristaltic flow of a Tangent hyperbolic fluid in an inclined asymmetric channel with slip and heat transfer. *Progress in Computational Fluid Dynamics*, **2012**, 12, 363	0.7	11
116	INFLUENCE OF HEAT AND CHEMICAL REACTIONS ON HYPERBOLIC TANGENT FLUID MODEL FOR BLOOD FLOW THROUGH A TAPERED ARTERY WITH A STENOSIS. *Heat Transfer Research*, **2012**, 43, 69-94	3.9	7
115	Numerical and Analytical Treatments of Peristaltic Transport of a Six Constant Jeffreys Model of Fluid in a Symmetric or Asymmetric Channel. *International Journal of Fluid Mechanics Research*, **2012**, 39, 238-260	4.3	4
114	Endoscopic Effects on Peristaltic Flow of a Nanofluid. *Communications in Theoretical Physics*, **2011**, 56, 761-768	2.4	110
113	ANALYTICAL AND NUMERICAL SOLUTIONS OF PERISTALTIC FLOW OF WILLIAMSON FLUID MODEL IN AN ENDOSCOPE. *Journal of Mechanics in Medicine and Biology*, **2011**, 11, 941-957	0.7	5
112	Numerical Analysis of Peristaltic Transport of a Tangent Hyperbolic Fluid in an Endoscope. *Journal of Aerospace Engineering*, **2011**, 24, 309-317	1.4	6
111	JEFFREY FLUID MODEL FOR BLOOD FLOW THROUGH A TAPERED ARTERY WITH A STENOSIS. *Journal of Mechanics in Medicine and Biology*, **2011**, 11, 529-545	0.7	46
110	Effects of thermal radiation on the boundary layer flow of a Jeffrey fluid over an exponentially stretching surface. *Numerical Algorithms*, **2011**, 57, 187-205	2.1	100
109	Peristaltic Flow of a Maxwell Model Through Porous Boundaries in a Porous Medium. *Transport in Porous Media*, **2011**, 86, 895-909	3.1	12
108	Peristaltic flow of a couple stress fluid under the effect of induced magnetic field in an asymmetric channel. *Archive of Applied Mechanics*, **2011**, 81, 97-109	2.2	36
107	Magnetohydrodynamic peristaltic flow of a hyperbolic tangent fluid in a vertical asymmetric channel with heat transfer. *Acta Mechanica Sinica/Lixue Xuebao*, **2011**, 27, 237-250	2	37
106	Peristaltic flow of Walter's B fluid in endoscope. *Applied Mathematics and Mechanics (English Edition)*, **2011**, 32, 689-700	3.2	16

105	Influence of heat and chemical reactions on Walters B fluid model for blood flow through a tapered artery. *Journal of the Taiwan Institute of Chemical Engineers*, **2011**, 42, 67-75	5.3	34
104	Power law fluid model for blood flow through a tapered artery with a stenosis. *Applied Mathematics and Computation*, **2011**, 217, 7108-7116	2.7	47
103	Numerical solutions of peristaltic flow of Williamson fluid with radially varying MHD in an endoscope. *International Journal for Numerical Methods in Fluids*, **2011**, 66, 212-220	1.9	33
102	Exact and numerical simulation of peristaltic flow of a non-Newtonian fluid with inclined magnetic field in an endoscope. *International Journal for Numerical Methods in Fluids*, **2011**, 66, 919-934	1.9	13
101	Combined effects of heat and chemical reactions on the peristaltic flow of carreau fluid model in a diverging tube. *International Journal for Numerical Methods in Fluids*, **2011**, 67, 1818-1832	1.9	10
100	Effects of heat and chemical reactions on peristaltic flow of Newtonian fluid in a diverging tube with inclined MHD. *Asia-Pacific Journal of Chemical Engineering*, **2011**, 6, 659-668	1.3	10
99	Peristaltic flow of a Sisko fluid in an endoscope: analytical and numerical solutions. *International Journal of Computer Mathematics*, **2011**, 88, 1013-1023	1.2	14
98	Flow of a Jeffery-Six Constant Fluid Between Coaxial Cylinders with Heat Transfer Analysis. *Communications in Theoretical Physics*, **2011**, 56, 345-351	2.4	21
97	Falkner Skan wedge flow of a power-law fluid with mixed convection and porous medium. *Computers and Fluids*, **2011**, 49, 22-28	2.8	42
96	Simulation of heat transfer on the peristaltic flow of a Jeffrey-six constant fluid in a diverging tube. *International Communications in Heat and Mass Transfer*, **2011**, 38, 154-159	5.8	12
95	Effects of slip and heat transfer on the peristaltic flow of a third order fluid in an inclined asymmetric channel. *International Journal of Heat and Mass Transfer*, **2011**, 54, 1654-1664	4.9	30
94	Effects of heat and mass transfer on the peristaltic flow of hyperbolic tangent fluid in an annulus. *International Journal of Heat and Mass Transfer*, **2011**, 54, 4360-4369	4.9	34
93	Influence of heat and mass transfer on the peristaltic flow of a Johnson Segalman fluid in a vertical asymmetric channel with induced MHD. *Journal of the Taiwan Institute of Chemical Engineers*, **2011**, 42, 58-66	5.3	50
92	THE NUMERICAL AND ANALYTICAL SOLUTION OF PERISTALTIC FLOW OF A JEFFREY FLUID IN AN INCLINED TUBE WITH PARTIAL SLIP. *Journal of Mechanics in Medicine and Biology*, **2011**, 11, 773-802	0.7	11
91	4-[2-(Benzyl-sulfan-yl)acet-yl]-3,4-dihydro-quinoxalin-2(1H)-one. *Acta Crystallographica Section E: Structure Reports Online*, **2011**, 67, o848		
90	Analytical Treatment of an Oldroyd 8-constant Fluid Between Coaxial Cylinders with Variable Viscosity. *Communications in Theoretical Physics*, **2011**, 56, 933-938	2.4	8
89	Numerical and series solutions of the peristaltic motion of an Oldroyd 8-constant fluid in an endoscope. *Computer Methods in Biomechanics and Biomedical Engineering*, **2011**, 14, 987-93	2.1	5
88	SERIES SOLUTIONS FOR THE STAGNATION FLOW OF A MAXWELL FLUID OVER A SHRINKING SHEET. *Composites: Mechanics, Computations, Applications*, **2011**, 2, 297-311	1	2

87	INFLUENCE OF HEAT TRANSFER AND VARIABLE VISCOSITY IN VERTICAL POROUS ANNULUS WITH PERISTALSIS. *Journal of Porous Media*, **2011**, 14, 849-863	2.9	4
86	Effects of Variable Viscosity on the Peristaltic Motion in a Third-Order Fluid. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2010**, 65, 901-918	1.4	1
85	Series Solutions for the Peristaltic Flow of a Tangent Hyperbolic Fluid in a Uniform Inclined Tube. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2010**, 65, 887-895	1.4	19
84	Effects of Heat Transfer on the Stagnation Flow of a Third-Order Fluid over a Shrinking Sheet. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2010**, 65, 969-994	1.4	16
83	Thermal Radiation Effects on the Flow by an Exponentially Stretching Surface: a Series Solution. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2010**, 65, 495-503	1.4	7
82	Simulation of the Second Grade Fluid Model for Blood Flow through a Tapered Artery with a Stenosis. *Chinese Physics Letters*, **2010**, 27, 068701	1.8	17
81	Thin Film Flow of a Second Grade Fluid over a Stretching/Shrinking Sheet with Variable Temperature-Dependent Viscosity. *Chinese Physics Letters*, **2010**, 27, 034704	1.8	23
80	Stagnation Flow of a Jeffrey Fluid over a Shrinking Sheet. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2010**, 65, 540-548	1.4	29
79	Effects of Heat and Mass Transfer on Peristaltic Flow of Carreau Fluid in a Vertical Annulus. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2010**, 65, 781-792	1.4	16
78	Numerical Solutions of Peristaltic Flow of a Newtonian Fluid under the Effects of Magnetic Field and Heat Transfer in a Porous Concentric Tubes. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2010**, 65, 369-380	1.4	10
77	Simulation of Heat and Chemical Reactions on the Peristaltic Flow of a Johnson Segalman Fluid in an Endoscope. *International Journal of Nonlinear Sciences and Numerical Simulation*, **2010**, 11,	1.8	5
76	Solvent-free synthesis of benzothiazole-based quaternary ammonium salts: precursors to ionic liquids. *Arkivoc*, **2010**, 2010, 19-37	0.9	10
75	Influence of Heat Transfer and Magnetic Field on a Peristaltic Transport of a Jeffrey Fluid in an Asymmetric Channel with Partial Slip. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2010**, 65, 483-494	1.4	2
74	Influence of heat and mass transfer on a peristaltic motion of a Jeffrey-six constant fluid in an annulus. *Heat and Mass Transfer*, **2010**, 46, 485-493	2.2	29
73	Simulation of heat and chemical reactions on Reiner Rivlin fluid model for blood flow through a tapered artery with a stenosis. *Heat and Mass Transfer*, **2010**, 46, 531-539	2.2	37
72	HAM solutions for boundary layer flow in the region of the stagnation point towards a stretching sheet. *Communications in Nonlinear Science and Numerical Simulation*, **2010**, 15, 475-481	3.7	111
71	Influence of heat transfer on peristaltic transport of a Johnson-Segalman fluid in an inclined asymmetric channel. *Communications in Nonlinear Science and Numerical Simulation*, **2010**, 15, 2860-2877	3.7	29
70	Influence of radially varying MHD on the peristaltic flow in an annulus with heat and mass transfer. *Journal of the Taiwan Institute of Chemical Engineers*, **2010**, 41, 286-294	5.3	65

69	Peristaltic flow of Sisko fluid in a uniform inclined tube. *Acta Mechanica Sinica/Lixue Xuebao*, **2010**, 26, 675-683	2	41
68	Effects of induced magnetic field on peristaltic flow of Johnson-Segalman fluid in a vertical symmetric channel. *Applied Mathematics and Mechanics (English Edition)*, **2010**, 31, 969-978	3.2	14
67	Peristaltic flow of Walters B fluid in a uniform inclined tube. *Journal of Biorheology*, **2010**, 24, 22-28	0.3	18
66	MHD stagnation flow of a micropolar fluid through a porous medium. *Meccanica*, **2010**, 45, 869-880	2.1	52
65	Slip effects on the peristaltic flow of a Jeffrey fluid in an asymmetric channel under the effect of induced magnetic field. *International Journal for Numerical Methods in Fluids*, **2010**, 63, 374-394	1.9	45
64	Application of radially varying magnetic field on a peristaltic flow of non-Newtonian fluid in the presence of heat and mass transfer. *Heat Transfer - Asian Research*, **2010**, 39, 555-574	2.8	2
63	Effects of partial slip on a fourth-grade fluid with variable viscosity: An analytic solution. *Nonlinear Analysis: Real World Applications*, **2010**, 11, 856-868	2.1	28
62	Influence of inclined magnetic field on peristaltic flow of a Williamson fluid model in an inclined symmetric or asymmetric channel. *Mathematical and Computer Modelling*, **2010**, 52, 107-119		56
61	The influence of Hall current in a circular duct. *Nonlinear Analysis: Real World Applications*, **2010**, 11, 184-189	1.9	7
60	Peristaltic flow of a Jeffrey fluid in a rectangular duct. *Nonlinear Analysis: Real World Applications*, **2010**, 11, 4238-4247	2.1	50
59	Influence of temperature dependent viscosity on peristaltic transport of a Newtonian fluid: Application of an endoscope. *Applied Mathematics and Computation*, **2010**, 216, 3606-3619	2.7	25
58	Heat transfer in a peristaltic flow of MHD fluid with partial slip. *Communications in Nonlinear Science and Numerical Simulation*, **2010**, 15, 312-321	3.7	55
57	Peristaltic flow of a Williamson fluid in an asymmetric channel. *Communications in Nonlinear Science and Numerical Simulation*, **2010**, 15, 1705-1716	3.7	93
56	Influence of heat and mass transfer on peristaltic flow of a third order fluid in a diverging tube. *Communications in Nonlinear Science and Numerical Simulation*, **2010**, 15, 2916-2931	3.7	64
55	Effects of temperature dependent viscosity on peristaltic flow of a Jeffrey-six constant fluid in a non-uniform vertical tube. *Communications in Nonlinear Science and Numerical Simulation*, **2010**, 15, 3950-3964	3.7	36
54	THIN FILM FLOW OF A NON-NEWTONIAN FLUID DOWN A VERTICAL CYLINDER THROUGH A POROUS MEDIUM. *Journal of Porous Media*, **2010**, 13, 973-980	2.9	2
53	Flow of a Third Grade Fluid between Coaxial Cylinders with Variable Viscosity. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2009**, 64, 588-596	1.4	13
52	(4Z)-4-[(2E)-1-Hydr-oxy-3-(4-methoxy-phen-yl)prop-2-en-ylidene]-3-methyl-1-phenyl-1H-pyrazol-5(4H)-one. *Acta Crystallographica Section E: Structure Reports Online*, **2009**, 65, o3046		4

51	6-Benzyl-sulfanyl-9H-purine. *Acta Crystallographica Section E: Structure Reports Online*, **2009**, 65, o2994		2
50	Peristaltic Transport of a Hyperbolic Tangent Fluid Model in an Asymmetric Channel. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2009**, 64, 559-567	1.4	46
49	Peristaltic Flow of a Jeffrey Fluid with Variable Viscosity in an Asymmetric Channel. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2009**, 64, 713-722	1.4	52
48	Peristaltic transport and heat transfer of a MHD Newtonian fluid with variable viscosity. *International Journal for Numerical Methods in Fluids*, **2009**, 63, n/a-n/a	1.9	9
47	Exact and numerical solutions of a micropolar fluid in a vertical annulus. *Numerical Methods for Partial Differential Equations*, **2009**, 26, NA-NA	2.5	3
46	Series solutions for the stagnation flow of a second-grade fluid over a shrinking sheet. *Applied Mathematics and Mechanics (English Edition)*, **2009**, 30, 1255-1262	3.2	26
45	MHD flow of a viscous fluid on a nonlinear porous shrinking sheet with homotopy analysis method. *Applied Mathematics and Mechanics (English Edition)*, **2009**, 30, 1569-1578	3.2	32
44	Effects of heat transfer on the peristaltic transport of MHD Newtonian fluid with variable viscosity: Application of Adomian decomposition method. *Communications in Nonlinear Science and Numerical Simulation*, **2009**, 14, 3844-3855	3.7	112
43	On the influence of heat transfer in peristalsis with variable viscosity. *International Journal of Heat and Mass Transfer*, **2009**, 52, 4722-4730	4.9	82
42	Influence of heat transfer on a peristaltic flow of Johnson Segalman fluid in a non uniform tube. *International Communications in Heat and Mass Transfer*, **2009**, 36, 1050-1059	5.8	56
41	Analytical solutions for pipe flow of a fourth grade fluid with Reynold and Vogel□ models of viscosities. *Communications in Nonlinear Science and Numerical Simulation*, **2009**, 14, 2073-2090	3.7	37
40	Influence of heat transfer on a peristaltic transport of Herschel□Bulkley fluid in a non-uniform inclined tube. *Communications in Nonlinear Science and Numerical Simulation*, **2009**, 14, 4100-4113	3.7	87
39	2-Bromo-4-methyl-benzonitrile. *Acta Crystallographica Section E: Structure Reports Online*, **2009**, 65, o3166		2
38	4-[(2,5-Dimethyl-anilino)acet-yl]-3,4-di-hydro-quinoxalin-2(1H)-one. *Acta Crystallographica Section E: Structure Reports Online*, **2009**, 65, o3006		1
37	Thin Film Flow of a Third Grade Fluid with Variable Viscosity. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2009**, 64, 553-558	1.4	7
36	Series Solutions of Boundary Layer Flow of a Micropolar Fluid Near the Stagnation Point Towards a Shrinking Sheet. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2009**, 64, 575-582	1.4	18
35	The influence of slip condition on thin film flow of a fourth grade fluid by the homotopy analysis method. *Computers and Mathematics With Applications*, **2008**, 56, 2019-2026	2.7	40
34	Thin film flow of an unsteady shrinking sheet through porous medium with variable viscosity. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2008**, 372, 4965-4972	2.3	53

33	The Rayleigh Stokes problem for rectangular pipe in Maxwell and second grade fluid. *Meccanica*, **2008**, 43, 495-504	2.1	23
32	Unsteady MHD flow of a non-Newtonian fluid on a porous plate. *Journal of Mathematical Analysis and Applications*, **2007**, 325, 724-733	1.1	56
31	General periodic flows of fractional Oldroyd-B fluid for an edge. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2007**, 368, 181-187	2.3	31
30	Analytic solution of Stokes second problem for second-grade fluid. *Mathematical Problems in Engineering*, **2006**, 2006, 1-8	1.1	16
29	Hall Effects on Unsteady Motions of a Generalized Second-Grade Fluid through a Porous Medium. *Journal of Porous Media*, **2006**, 9, 779-788	2.9	8
28	EFFECTS OF HALL CURRENT ON UNSTEADY FLOW OF A SECOND GRADE FLUID IN A ROTATING SYSTEM. *Chemical Engineering Communications*, **2005**, 192, 1272-1284	2.2	9
27	Unsteady motions of a generalized second-grade fluid. *Mathematical and Computer Modelling*, **2005** , 41, 629-637		47
26	Magnetohydrodynamic Rotating Flow of a Second Grade Fluid with a Given Volume Flow Rate Variation. *Meccanica*, **2004**, 39, 483-488	2.1	13
25	Unsteady hydromagnetic rotating flow of a conducting second grade fluid. *Zeitschrift Fur Angewandte Mathematik Und Physik*, **2004**, 55, 626-641	1.6	18
24	Periodic unidirectional flows of a viscoelastic fluid with the fractional Maxwell model. *Applied Mathematics and Computation*, **2004**, 151, 153-161	2.7	97
23	An oscillating hydromagnetic non-Newtonian flow in a rotating system. *Applied Mathematics Letters* , **2004**, 17, 609-614	3.5	23
22	Hydromagnetic couette flow of an Oldroyd-B fluid in a rotating system. *International Journal of Engineering Science*, **2004**, 42, 65-78	5.7	49
21	MHD rotating flow of a third-grade fluid on an oscillating porous plate. *Acta Mechanica*, **2001**, 152, 177-190	2.0	21
20	Fluctuating flow of a third-grade fluid on a porous plate in a rotating medium. *International Journal of Non-Linear Mechanics*, **2001**, 36, 901-916	2.8	31
19	Unsteady three dimensional bioconvective flow of Maxwell nanofluid over an exponentially stretching sheet with variable thermal conductivity and chemical reaction. *International Journal of Ambient Energy*,1-32	2	7
18	Inspections of unsteady micropolar nanofluid model over exponentially stretching curved surface with chemical reaction. *Waves in Random and Complex Media*,1-22	1.9	5
17	Mathematical analysis of heat and mass transfer in a Maxwell fluid. *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*,095440622097670	1.3	7
16	Impact of magnetic dipole on a thermally stratified ferrofluid past a stretchable surface		1

15	Impact of Joule heating and multiple slips on a Maxwell nanofluid flow past a slendering surface. *Communications in Theoretical Physics*,	2.4	8
14	Heat enhancement analysis of the hybridized micropolar nanofluid with Cattaneo Christov and stratification effects. *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*,095440622110108	1.3	5
13	Thermal analysis of oblique stagnation point flow with slippage on second-order fluid. *Journal of Thermal Analysis and Calorimetry*,1	4.1	11
12	Numerical analysis of unsteady magnetized micropolar fluid flow over a curved surface. *Journal of Thermal Analysis and Calorimetry*,1	4.1	5
11	Bio-mathematical analysis of electro-osmotically modulated hemodynamic blood flow inside a symmetric and nonsymmetric stenosed artery with joule heating. *International Journal of Biomathematics*,2150071	1.8	7
10	Enhanced transport properties and its theoretical analysis in two-phase hybrid nanofluid. *Applied Nanoscience (Switzerland)*,1	3.3	11
9	Heat and mass transfer investigation of a chemically reactive Burgers nanofluid with an induced magnetic field over an exponentially stretching surface. *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering*,095440892110349	1.5	9
8	Unsteady flow of three-dimensional Maxwell nanofluid with variables properties over a stretching surface. *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering*,095440892110390	1.5	1
7	Heat and mass transfer analysis in the MHD flow of radiative Maxwell nanofluid with non-uniform heat source/sink. *Waves in Random and Complex Media*,1-24	1.9	5
6	Thermal slip and homogeneous/heterogeneous reaction characteristics of second-grade fluid flow over an exponentially stretching sheet. *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering*,095440892110641	1.5	1
5	Insight into the significance of Richardson number on two-phase flow of ethylene glycol-silver nanofluid due to Cattaneo-Christov heat flux. *Waves in Random and Complex Media*,1-19	1.9	1
4	Thermal and chemically reactive features of Casson nanofluid flow with thermophoresis and Brownian effect over an exponentially stretching surface. *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering*,095440892110644	1.5	
3	Influence of homogeneous/heterogeneous reactions on a radiative second-grade micropolar fluid flow over an exponentially stretching Riga plate with Joule heating. *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering*,095440892110676	1.5	0
2	Mathematical computations for the physiological flow of Casson fluid in a vertical elliptic duct with ciliated heated wavy walls. *Waves in Random and Complex Media*,1-14	1.9	3
1	Transient bioconvection and activation energy impacts on Casson nanofluid with gyrotactic microorganisms and nonlinear radiation. *Waves in Random and Complex Media*,1-20	1.9	2