Sohail Nadeem

List of Publications by Citations

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	Heat transfer enhancement with Ag–CuO/water hybrid nanofluid. *Results in Physics*, **2017**, 7, 2317-2324	3.7	238
625	MHD flow of a Casson fluid over an exponentially shrinking sheet. *Scientia Iranica*, **2012**, 19, 1550-1553	1.5	207
624	MHD three-dimensional Casson fluid flow past a porous linearly stretching sheet. *AEJ - Alexandria Engineering Journal*, **2013**, 52, 577-582	6.1	199
623	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
622	Flow of a Williamson fluid over a stretching sheet. *Brazilian Journal of Chemical Engineering*, **2013**, 30, 619-625	1.7	152
621	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
620	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
619	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
618	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
617	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
616	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
615	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
614	3D free convective MHD flow of nanofluid over permeable linear stretching sheet with thermal radiation. *Powder Technology*, **2017**, 315, 205-215	5.2	112
613	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
612	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
611	Boundary layer flow of nanofluid over an exponentially stretching surface. *Nanoscale Research Letters*, **2012**, 7, 94	5	110
610	Endoscopic Effects on Peristaltic Flow of a Nanofluid. *Communications in Theoretical Physics*, **2011**, 56, 761-768	2.4	110

609	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
608	Heat transfer analysis of water-based nanofluid over an exponentially stretching sheet. *AEJ - Alexandria Engineering Journal*, **2014**, 53, 219-224	6.1	105
607	Flow and heat transfer analysis of Williamson nanofluid. *Applied Nanoscience (Switzerland)*, **2014**, 4, 1005-1012	3.1	102
606	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
605	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
604	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
603	Periodic unidirectional flows of a viscoelastic fluid with the fractional Maxwell model. *Applied Mathematics and Computation*, **2004**, 151, 153-161	2.7	97
602	Peristaltic flow of a Williamson fluid in an asymmetric channel. *Communications in Nonlinear Science and Numerical Simulation*, **2010**, 15, 1705-1716	3.7	93
601	Inspection of hybrid based nanofluid flow over a curved surface. *Computer Methods and Programs in Biomedicine*, **2020**, 189, 105193	6.9	91
600	An optimal analysis of radiated nanomaterial flow with viscous dissipation and heat source. *Microsystem Technologies*, **2019**, 25, 683-689	1.7	88
599	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
598	Dual solutions for mixed convection flow of SiO2Al2O3/water hybrid nanofluid near the stagnation point over a curved surface. *Physica A: Statistical Mechanics and Its Applications*, **2020**, 547, 123959	3.3	88
597	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
596	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
595	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
594	Numerical solution of non-Newtonian nanofluid flow over a stretching sheet. *Applied Nanoscience (Switzerland)*, **2014**, 4, 625-631	3.3	83
593	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
592	The boundary layer flow of Casson nanofluid over a vertical exponentially stretching cylinder. *Applied Nanoscience (Switzerland)*, **2014**, 4, 869-873	3.3	81

591	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
590	Mixed convection stagnation flow of a micropolar nanofluid along a vertically stretching surface with slip effects. *Meccanica*, **2015**, 50, 2007-2022	2.1	77
589	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
588	Characteristics of three dimensional stagnation point flow of Hybrid nanofluid past a circular cylinder. *Results in Physics*, **2018**, 8, 829-835	3.7	73
587	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
586	Peristaltic flow of a nanofluid with slip effects. *Meccanica*, **2012**, 47, 1283-1294	2.1	73
585	Numerical analysis of micropolar hybrid nanofluid. *Applied Nanoscience (Switzerland)*, **2019**, 9, 447-459	3.3	73
584	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
583	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
582	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
581	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
580	Numerical simulation of oscillatory oblique stagnation point flow of a magneto micropolar nanofluid.. *RSC Advances*, **2019**, 9, 4751-4764	3.7	67
579	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
578	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
577	Peristaltic flow of a nanofluid in a non-uniform tube. *Heat and Mass Transfer*, **2012**, 48, 451-459	2.2	67
576	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
575	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
574	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

573	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
572	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
571	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
570	Numerical simulation of peristaltic flow of a Carreau nanofluid in an asymmetric channel. *AEJ - Alexandria Engineering Journal*, **2014**, 53, 191-197	6.1	61
569	Blood flow of nanofluid through an artery with composite stenosis and permeable walls. *Applied Nanoscience (Switzerland)*, **2014**, 4, 919-926	3.3	61
568	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
567	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
566	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
565	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
564	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
563	Water driven flow of carbon nanotubes in a rotating channel. *Journal of Molecular Liquids*, **2016**, 214, 136-144	6	58
562	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
561	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
560	MHD stagnation point flow of viscous nanofluid over a curved surface. *Physica Scripta*, **2019**, 94, 115207	2.6	56
559	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
558	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
557	Peristaltic Flow of Carreau Fluid in a Rectangular Duct through a Porous Medium. *Mathematical Problems in Engineering*, **2012**, 2012, 1-24	1.1	56
556	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

555	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
554	Squeezed flow of a nanofluid with Cattaneo-Christov heat and mass fluxes. *Results in Physics*, **2017**, 7, 862-869	3.7	55
553	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
552	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
551	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
550	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
549	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
548	Nano fluid flow in tapering stenosed arteries with permeable walls. *International Journal of Thermal Sciences*, **2014**, 85, 54-61	4.1	53
547	Model-based analysis of micropolar nanofluid flow over a stretching surface. *European Physical Journal Plus*, **2014**, 129, 1	3.1	53
546	Ferrite nanoparticles Ni- ZnFe2O4 , Mn- ZnFe2O4 and Fe2O4 in the flow of ferromagnetic nanofluid. *European Physical Journal Plus*, **2017**, 132, 1	3.1	53
545	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
544	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
543	Heat transport phenomenon in the ferromagnetic fluid over a stretching sheet with thermal stratification. *Results in Physics*, **2017**, 7, 854-861	3.7	52
542	Entropy generation and temperature-dependent viscosity in the study of SWCNT-MWCNT hybrid nanofluid. *Applied Nanoscience (Switzerland)*, **2020**, 10, 5107-5119	3.3	52
541	Mixed convection flow of Eyring-Powell fluid along a rotating cone. *Results in Physics*, **2014**, 4, 54-62	3.7	52
540	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
539	MHD stagnation flow of a micropolar fluid through a porous medium. *Meccanica*, **2010**, 45, 869-880	2.1	52
538	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

537	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
536	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
535	Peristaltic flow of a Jeffrey fluid in a rectangular duct. *Nonlinear Analysis: Real World Applications*, **2010**, 11, 4238-4247	2.1	50
534	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
533	Entropy analysis of radioactive rotating nanofluid with thermal slip. *Applied Thermal Engineering*, **2017**, 112, 832-840	5.8	49
532	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
531	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
530	Hydromagnetic couette flow of an Oldroyd-B fluid in a rotating system. *International Journal of Engineering Science*, **2004**, 42, 65-78	5.7	49
529	Computational study of Falkner-Skan problem for a static and moving wedge. *Sensors and Actuators B: Chemical*, **2018**, 263, 69-76	8.5	48
528	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
527	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
526	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
525	Unsteady motions of a generalized second-grade fluid. *Mathematical and Computer Modelling*, **2005**, 41, 629-637		47
524	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
523	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
522	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
521	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
520	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

519	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
518	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
517	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
516	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
515	Peristaltic flow of a Phan-Thien-Tanner nanofluid in a diverging tube. *Heat Transfer - Asian Research*, **2012**, 41, 10-22	2.8	45
514	Chemically reactive species in the flow of a Maxwell fluid. *Results in Physics*, **2017**, 7, 2607-2613	3.7	45
513	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
512	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
511	Carreau fluid model for blood flow through a tapered artery with a stenosis. *Ain Shams Engineering Journal*, **2014**, 5, 1307-1316	4.4	44
510	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
509	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
508	Numerical study of Williamson nano fluid flow in an asymmetric channel. *Results in Physics*, **2013**, 3, 161-166	3.7	43
507	Heat transfer analysis of Williamson fluid over exponentially stretching surface. *Applied Mathematics and Mechanics (English Edition)*, **2014**, 35, 489-502	3.2	42
506	Peristaltic transport of a Carreau fluid in a compliant rectangular duct. *AEJ - Alexandria Engineering Journal*, **2014**, 53, 475-484	6.1	42
505	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
504	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
503	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
502	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

501	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
500	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
499	Peristaltic flow of Sisko fluid in a uniform inclined tube. *Acta Mechanica Sinica/Lixue Xuebao*, **2010**, 26, 675-683	2	41
498	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
497	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
496	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
495	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
494	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
493	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
492	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
491	Mathematical Analysis for Peristaltic Flow of Two Phase Nanofluid in a Curved Channel. *Communications in Theoretical Physics*, **2015**, 64, 547-554	2.4	37
490	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
489	Analytical solutions for pipe flow of a fourth grade fluid with Reynold and Vogel's models of viscosities. *Communications in Nonlinear Science and Numerical Simulation*, **2009**, 14, 2073-2090	3.7	37
488	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
487	Mathematical analysis of bio-convective micropolar nanofluid. *Journal of Computational Design and Engineering*, **2019**, 6, 233-242	4.6	36
486	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
485	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
484	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

483	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
482	Impulsion of induced magnetic field for Brownian motion of nanoparticles in peristalsis. *Applied Nanoscience (Switzerland)*, **2016**, 6, 359-370	3.3	35
481	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
480	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
479	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
478	Heat transfer of three-dimensional micropolar fluid on a Riga plate. *Canadian Journal of Physics*, **2020**, 98, 32-38	1.1	35
477	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
476	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
475	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
474	A theoretical study of Prandtl nanofluid in a rectangular duct through peristaltic transport. *Applied Nanoscience (Switzerland)*, **2014**, 4, 753-760	3.3	34
473	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
472	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
471	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
470	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
469	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
468	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
467	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
466	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

465	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
464	Three dimensional peristaltic flow of Williamson fluid in a rectangular duct. *Indian Journal of Physics* , **2013**, 87, 1275-1281	1.4	32
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