Sohail Nadeem

List of Publications by Year
in descending order

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645 papers	22,806 citations	13827 67 h-index	35952 97 g-index
655 all docs	655 docs citations	655 times ranked	3297 citing authors

#	Article	IF	Citations
1	Heat transfer enhancement with Agâ€“CuO/water hybrid nanofluid. Results in Physics, 2017, 7, 2317-2324.	2.0	380
2	MHD flow of a Casson fluid over an exponentially shrinking sheet. Scientia Iranica, 2012, 19, 1550-1553.	0.3	277
3	MHD three-dimensional Casson fluid flow past a porous linearly stretching sheet. AEJ - Alexandria Engineering Journal, 2013, 52, 577-582.	3.4	267
4	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.	2.7	233
5	Flow of a Williamson fluid over a stretching sheet. Brazilian Journal of Chemical Engineering, 2013, 30, 619-625.	0.7	223
6	Numerical solutions of Magnetohydrodynamic boundary layer flow of tangent hyperbolic fluid towards a stretching sheet. Indian Journal of Physics, 2013, 87, 1121-1124.	0.9	188
7	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.	1.3	180
8	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.	1.3	171
9	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.	2.0	169
10	Simultaneous effects of nanoparticles and slip on Jeffrey fluid through tapered artery with mild stenosis. Journal of Molecular Liquids, 2016, 218, 484-493.	2.3	159
11	Rotating flow of Ag-CuO/H2O hybrid nanofluid with radiation and partial slip boundary effects. European Physical Journal E, 2018, 41, 75.	0.7	158
12	Models base study of inclined MHD of hybrid nanofluid flow over nonlinear stretching cylinder. Chinese Journal of Physics, 2021, 69, 109-117.	2.0	155
13	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.	2.8	149
14	Inspection of hybrid based nanofluid flow over a curved surface. Computer Methods and Programs in Biomedicine, 2020, 189, 105193.	2.6	148
15	Boundary layer flow of nanofluid over an exponentially stretching surface. Nanoscale Research Letters, 2012, 7, 94.	3.1	147
16	3D free convective MHD flow of nanofluid over permeable linear stretching sheet with thermal radiation. Powder Technology, 2017, 315, 205-215.	2.1	147
17	Flow and heat transfer analysis of Williamson nanofluid. Applied Nanoscience (Switzerland), 2014, 4, 1005-1012.	1.6	145
18	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.	1.1	144

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19	Endoscopic Effects on Peristaltic Flow of a Nanofluid. Communications in Theoretical Physics, 2011, 56, 761-768.	1.1	140
20	Heat transfer analysis of water-based nanofluid over an exponentially stretching sheet. AEJ - Alexandria Engineering Journal, 2014, 53, 219-224.	3.4	140
21	Effects of thermal radiation on the boundary layer flow of a Jeffrey fluid over an exponentially stretching surface. Numerical Algorithms, 2011, 57, 187-205.	1.1	129
22	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.	1.7	126
23	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.	1.7	126
24	Peristaltic flow of a Williamson fluid in an asymmetric channel. Communications in Nonlinear Science and Numerical Simulation, 2010, 15, 1705-1716.	1.7	126
25	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e2575" altimg="si15.svg"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:mo>â^'</mml:mo></mml:mrow></mml:math>Al<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e2586"	1.2	124
26	Optimized analytical solution for oblique flow of a Casson-nano fluid with convective boundary conditions. International Journal of Thermal Sciences, 2014, 78, 90-100.	2.6	121
27	Numerical analysis of micropolar hybrid nanofluid. Applied Nanoscience (Switzerland), 2019, 9, 447-459.	1.6	116
28	Periodic unidirectional flows of a viscoelastic fluid with the fractional Maxwell model. Applied Mathematics and Computation, 2004, 151, 153-161.	1.4	114
29	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.	2.3	113
30	The boundary layer flow of Casson nanofluid over a vertical exponentially stretching cylinder. Applied Nanoscience (Switzerland), 2014, 4, 869-873.	1.6	111
31	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.	2.5	105
32	Numerical solution of non-Newtonian nanofluid flow over a stretching sheet. Applied Nanoscience (Switzerland), 2014, 4, 625-631.	1.6	102
33	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.	1.0	101
34	Characteristics of three dimensional stagnation point flow of Hybrid nanofluid past a circular cylinder. Results in Physics, 2018, 8, 829-835.	2.0	101
35	An optimal analysis of radiated nanomaterial flow with viscous dissipation and heat source. Microsystem Technologies, 2019, 25, 683-689.	1.2	100
36	Cattaneoâ€“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.	2.0	100

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37	On the influence of heat transfer in peristalsis with variable viscosity. International Journal of Heat and Mass Transfer, 2009, 52, 4722-4730.	2.5	97
38	MHD stagnation point flow of Carreau fluid toward a permeable shrinking sheet: Dual solutions. Ain Shams Engineering Journal, 2014, 5, 1233-1239.	3.5	96
39	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.	0.9	96
40	Influence of heat transfer on a peristaltic transport of Herschelâ€“Bulkley fluid in a non-uniform inclined tube. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 4100-4113.	1.7	95
41	Entropy generation and temperature-dependent viscosity in the study of SWCNTâ€“MWCNT hybrid nanofluid. Applied Nanoscience (Switzerland), 2020, 10, 5107-5119.	1.6	95
42	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.	3.4	94
43	Mixed convection stagnation flow of a micropolar nanofluid along a vertically stretching surface with slip effects. Meccanica, 2015, 50, 2007-2022.	1.2	88
44	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.	1.2	88
45	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.	2.0	88
46	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.	2.7	87
47	Peristaltic flow of a nanofluid with slip effects. Meccanica, 2012, 47, 1283-1294.	1.2	86
48	Oblique Stagnation Point Flow of Nanofluids over Stretching/Shrinking Sheet with Cattaneoâ€“Christov Heat Flux Model: Existence of Dual Solution. Symmetry, 2019, 11, 1070.	1.1	86
49	Carreau fluid model for blood flow through a tapered artery with a stenosis. Ain Shams Engineering Journal, 2014, 5, 1307-1316.	3.5	85
50	Cattaneo-Christov flux in the flow of a viscoelastic fluid in the presence of Newtonian heating. Journal of Molecular Liquids, 2017, 237, 180-184.	2.3	85
51	Numerical Study of Boundary Layer Flow and Heat Transfer of Oldroyd-B Nanofluid towards a Stretching Sheet. PLoS ONE, 2013, 8, e69811.	1.1	84
52	The boundary layer flow of hyperbolic tangent fluid over a vertical exponentially stretching cylinder. AEJ - Alexandria Engineering Journal, 2014, 53, 747-750.	3.4	84
53	MHD stagnation point flow of viscous nanofluid over a curved surface. Physica Scripta, 2019, 94, 115207.	1.2	84
54	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.	1.2	84

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55	Peristaltic flow of a nanofluid in a non-uniform tube. Heat and Mass Transfer, 2012, 48, 451-459.	1.2	83
56	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.	1.6	83
57	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.	0.4	82
58	MHD squeezed flow of water functionalized metallic nanoparticles over a sensor surface. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 73, 45-53.	1.3	81
59	Impact of stratification and Cattaneo-Christov heat flux in the flow saturated with porous medium. Journal of Molecular Liquids, 2016, 224, 423-430.	2.3	81
60	MHD oblique stagnation point flow of nanofluid over an oscillatory stretching/shrinking sheet: existence of dual solutions. Physica Scripta, 2019, 94, 075204.	1.2	81
61	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.	2.0	79
62	Blood flow of nanofluid through an artery with composite stenosis and permeable walls. Applied Nanoscience (Switzerland), 2014, 4, 919-926.	1.6	77
63	Numerical simulation of peristaltic flow of a Carreau nanofluid in an asymmetric channel. AEJ - Alexandria Engineering Journal, 2014, 53, 191-197.	3.4	76
64	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.	2.7	75
65	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.	2.6	75
66	Ferrite nanoparticles Ni- ZnFe2O4 , Mn- ZnFe2O4 and Fe2O4 in the flow of ferromagnetic nanofluid. European Physical Journal Plus, 2017, 132, 1.	1.2	75
67	Theoretical analysis of upper-convected Maxwell fluid flow with Cattaneoâ€“Christov heat flux model. Chinese Journal of Physics, 2017, 55, 1615-1625.	2.0	74
68	Numerical simulation of oscillatory oblique stagnation point flow of a magneto micropolar nanofluid. RSC Advances, 2019, 9, 4751-4764.	1.7	73
69	A novel approach for investigation of heat transfer enhancement with ferromagnetic hybrid nanofluid by considering solar radiation. Microsystem Technologies, 2021, 27, 97-104.	1.2	73
70	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.	1.7	72
71	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.	0.9	72
72	Peristaltic Flow of Carreau Fluid in a Rectangular Duct through a Porous Medium. Mathematical Problems in Engineering, 2012, 2012, 1-24.	0.6	71

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73	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.	1.1	71
74	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.	2.3	71
75	Radiative SWCNT and MWCNT nanofluid flow of Falknerâ€“Skan problem with double stratification. Physica A: Statistical Mechanics and Its Applications, 2020, 547, 124054.	1.2	71
76	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.	0.7	70
77	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.	2.5	70
78	Squeezed flow of a nanofluid with Cattaneoâ€“Christov heat and mass fluxes. Results in Physics, 2017, 7, 862-869.	2.0	70
79	Peristaltic flow of a Jeffrey fluid in a rectangular duct. Nonlinear Analysis: Real World Applications, 2010, 11, 4238-4247.	0.9	69
80	Characteristics of heating scheme and mass transfer on the peristaltic flow for an Eyringâ€“Powell fluid in an endoscope. International Journal of Heat and Mass Transfer, 2012, 55, 375-383.	2.5	69
81	Heat transfer in a peristaltic flow of MHD fluid with partial slip. Communications in Nonlinear Science and Numerical Simulation, 2010, 15, 312-321.	1.7	68
82	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.	1.7	68
83	Theoretical study of micropolar hybrid nanofluid over Riga channel with slip conditions. Physica A: Statistical Mechanics and Its Applications, 2020, 551, 124083.	1.2	68
84	Hydromagnetic couette flow of an Oldroyd-B fluid in a rotating system. International Journal of Engineering Science, 2004, 42, 65-78.	2.7	67
85	Unsteady MHD flow of a non-Newtonian fluid on a porous plate. Journal of Mathematical Analysis and Applications, 2007, 325, 724-733.	0.5	67
86	A Mathematical Study of Non-Newtonian Micropolar Fluid in Arterial Blood Flow Through Composite Stenosis. Applied Mathematics and Information Sciences, 2014, 8, 1567-1573.	0.7	67
87	Heat transfer analysis of Williamson fluid over exponentially stretching surface. Applied Mathematics and Mechanics (English Edition), 2014, 35, 489-502.	1.9	67
88	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.	0.4	67
89	Heat transport phenomenon in the ferromagnetic fluid over a stretching sheet with thermal stratification. Results in Physics, 2017, 7, 854-861.	2.0	66
90	Computational study of Falkner-Skan problem for a static and moving wedge. Sensors and Actuators B: Chemical, 2018, 263, 69-76.	4.0	66

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91	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.	0.7	65
92	MHD stagnation flow of a micropolar fluid through a porous medium. Meccanica, 2010, 45, 869-880.	1.2	65
93	Power law fluid model for blood flow through a tapered artery with a stenosis. Applied Mathematics and Computation, 2011, 217, 7108-7116.	1.4	65
94	Nano fluid flow in tapering stenosed arteries with permeable walls. International Journal of Thermal Sciences, 2014, 85, 54-61.	2.6	65
95	Model-based analysis of micropolar nanofluid flow over a stretching surface. European Physical Journal Plus, 2014, 129, 1.	1.2	65
96	Water driven flow of carbon nanotubes in a rotating channel. Journal of Molecular Liquids, 2016, 214, 136-144.	2.3	65
97	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.	1.0	65
98	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.	1.0	64
99	Physical aspects of peristaltic flow of hybrid nano fluid inside a curved tube having ciliated wall. Results in Physics, 2020, 19, 103431.	2.0	64
100	Buoyancy and Radiation Effect on Stagnation Point Flow of Micropolar Nanofluid Along a Vertically Convective Stretching Surface. IEEE Nanotechnology Magazine, 2015, 14, 42-50.	1.1	63
101	Mixed convective oblique flow of a Casson fluid with partial slip, internal heating and homogeneousâ€“heterogeneous reactions. Journal of Molecular Liquids, 2016, 222, 1010-1019.	2.3	63
102	Transportation of magnetized micropolar hybrid nanomaterial fluid flow over a Riga curface surface. Computer Methods and Programs in Biomedicine, 2020, 185, 105136.	2.6	63
103	MHD 3D free convective flow of nanofluid over an exponentially stretching sheet with chemical reaction. Advanced Powder Technology, 2017, 28, 2159-2166.	2.0	62
104	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.	2.0	62
105	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.	0.9	61
106	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.	2.9	61
107	JEFFREY FLUID MODEL FOR BLOOD FLOW THROUGH A TAPERED ARTERY WITH A STENOSIS. Journal of Mechanics in Medicine and Biology, 2011, 11, 529-545.	0.3	61
108	The Mathematical Analysis for Peristaltic Flow of Hyperbolic Tangent Fluid in a Curved Channel. Communications in Theoretical Physics, 2013, 59, 729-736.	1.1	61

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109	Series Solutions of Magnetohydrodynamic Peristaltic Flow of a Jeffrey Fluid in Eccentric Cylinders. Applied Mathematics and Information Sciences, 2013, 7, 1441-1449.	0.7	60
110	Effects of magnetohydrodynamics and hybrid nanoparticles on a micropolar fluid with 6-types of stenosis. Results in Physics, 2017, 7, 4130-4139.	2.0	60
111	Mixed convection flow of Eyringâ€“Powell fluid along a rotating cone. Results in Physics, 2014, 4, 54-62.	2.0	59
112	On extended version of Yamadaâ€“Ota and Xue models of hybrid nanofluid on moving needle. European Physical Journal Plus, 2020, 135, 1.	1.2	59
113	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.	3.4	59
114	Numerical study of Williamson nano fluid flow in an asymmetric channel. Results in Physics, 2013, 3, 161-166.	2.0	58
115	Dual solutions in MHD stagnation-point flow of Prandtl fluid impinging on shrinking sheet. Applied Mathematics and Mechanics (English Edition), 2014, 35, 813-820.	1.9	58
116	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.	2.6	58
117	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.	1.0	57
118	Chemically reactive species in the flow of a Maxwell fluid. Results in Physics, 2017, 7, 2607-2613.	2.0	57
119	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.	2.7	56
120	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.	2.7	56
121	Entropy analysis of radioactive rotating nanofluid with thermal slip. Applied Thermal Engineering, 2017, 112, 832-840.	3.0	56
122	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.	2.0	56
123	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.	2.0	55
124	Mathematical analysis of bio-convective micropolar nanofluid. Journal of Computational Design and Engineering, 2019, 6, 233-242.	1.5	55
125	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.	1.2	55
126	Mathematical Analysis for Peristaltic Flow of Two Phase Nanofluid in a Curved Channel. Communications in Theoretical Physics, 2015, 64, 547-554.	1.1	54

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127	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.	2.5	54
128	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.	1.0	54
129	Heat transfer analysis for three-dimensional stagnation-point flow over an exponentially stretching surface. Chinese Journal of Physics, 2017, 55, 1552-1560.	2.0	53
130	Heat transfer of three-dimensional micropolar fluid on a Riga plate. Canadian Journal of Physics, 2020, 98, 32-38.	0.4	53
131	Unsteady motions of a generalized second-grade fluid. Mathematical and Computer Modelling, 2005, 41, 629-637.	2.0	52
132	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.	0.9	52
133	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.	1.5	52
134	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.	1.0	52
135	Boundary Layer Flow over a Curved Surface Imbedded in Porous Medium. Communications in Theoretical Physics, 2019, 71, 344.	1.1	52
136	Convective Heat and Mass Transfer in Magneto Walterâ€™s B Nanofluid Flow Induced by a Rotating Cone. Arabian Journal for Science and Engineering, 2019, 44, 1515-1523.	1.7	52
137	Numerical analysis of water based CNTs flow of micropolar fluid through rotating frame. Computer Methods and Programs in Biomedicine, 2020, 186, 105194.	2.6	52
138	Numerical solutions of Williamson fluid with pressure dependent viscosity. Results in Physics, 2015, 5, 20-25.	2.0	51
139	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.	1.6	51
140	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.	2.9	51
141	Falknerâ€“Skan wedge flow of a power-law fluid with mixed convection and porous medium. Computers and Fluids, 2011, 49, 22-28.	1.3	49
142	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.	2.3	49
143	Finite volume method for mixed convection flow of Agâ€“ethylene glycol nanofluid flow in a cavity having thin central heater. Physica A: Statistical Mechanics and Its Applications, 2020, 537, 122738.	1.2	49
144	Magnetohydrodynamic oblique stagnation point flow of second grade fluid over an oscillatory stretching surface. Results in Physics, 2020, 18, 103233.	2.0	49

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145	Cattaneoâ€“Christov-based study of SWCNTâ€“MWCNT/EG Casson hybrid nanofluid flow past a lubricated surface with entropy generation. Applied Nanoscience (Switzerland), 2020, 10, 5449-5458.	1.6	49
146	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.	2.0	49
147	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.	1.2	48
148	Peristaltic flow of a Phanâ€Thienâ€Tanner nanofluid in a diverging tube. Heat Transfer - Asian Research, 2012, 41, 10-22.	2.8	48
149	Peristaltic transport of a Carreau fluid in a compliant rectangular duct. AEJ - Alexandria Engineering Journal, 2014, 53, 475-484.	3.4	48
150	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.	2.6	48
151	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.	1.4	47
152	Peristaltic flow of Sisko fluid in a uniform inclined tube. Acta Mechanica Sinica/Lixue Xuebao, 2010, 26, 675-683.	1.5	47
153	Characteristics of Jeffrey fluid model for peristaltic flow of chyme in small intestine with magnetic field. Results in Physics, 2013, 3, 152-160.	2.0	47
154	Theoretical analysis of slip flow on a rotating cone with viscous dissipation effects. Journal of Hydrodynamics, 2015, 27, 616-623.	1.3	47
155	The study of (Cu, TiO2, Al2O3) nanoparticles as antimicrobials of blood flow through diseased arteries. Journal of Molecular Liquids, 2016, 216, 615-623.	2.3	47
156	On extended version of Yamadaâ€“Ota and Xue models in micropolar fluid flow under the region of stagnation point. Physica A: Statistical Mechanics and Its Applications, 2020, 542, 123512.	1.2	47
157	Impact of induced magnetic field on second-grade nanofluid flow past a convectively heated stretching sheet. Applied Nanoscience (Switzerland), 2020, 10, 3001-3009.	1.6	47
158	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.	1.6	46
159	A comparative study between linear and exponential stretching sheet with double stratification of a rotating Maxwell nanofluid flow. Surfaces and Interfaces, 2021, 22, 100886.	1.5	46
160	Analytical solutions for pipe flow of a fourth grade fluid with Reynold and Vogelâ€™s models of viscosities. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 2073-2090.	1.7	45
161	Influence of heat and chemical reactions on Walterâ€™s B fluid model for blood flow through a tapered artery. Journal of the Taiwan Institute of Chemical Engineers, 2011, 42, 67-75.	2.7	45
162	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.	1.6	45

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163	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.	1.1	45
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