Akbar Zaman

List of Publications by Year
in descending order

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30 papers	594 citations	516710 16 h-index	642732 23 g-index
30 all docs	30 docs citations	30 times ranked	257 citing authors

#	Article	IF	Citations
1	Electro-osmosis modulated peristaltic flow of oldroyd 4-constant fluid in a non-uniform channel. Indian Journal of Physics, 2022, 96, 825-837.	1.8	5
2	Thermal analysis of unsteady hybrid nanofluid magneto-hemodynamics flow via overlapped curved stenosed channel. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 8754-8766.	2.1	3
3	Theoretical Analysis of Peristaltic Viscous Fluid with Inhomogeneous Dust Particles. Arabian Journal for Science and Engineering, 2021, 46, 31-39.	3.0	7
4	Time dependent non-Newtonian nano-fluid (blood) flow in w-shape stenosed channel; with curvature effects. Mathematics and Computers in Simulation, 2021, 181, 82-97.	4.4	22
5	Simulations of unsteady blood flow through curved stenosed channel with effects of entropy generations and magneto-hydrodynamics. International Communications in Heat and Mass Transfer, 2021, 127, 105569.	5.6	12
6	A bioconvection model for viscoelastic nanofluid confined by tapered asymmetric channel: implicit finite difference simulations. Journal of Biological Physics, 2021, 47, 499-520.	1.5	3
7	Computational biomedical simulations of hybrid nanoparticles on unsteady blood hemodynamics in a stenotic artery. Mathematics and Computers in Simulation, 2020, 169, 117-132.	4.4	28
8	Biomedical study of effects nanoparticles on unsteady blood (non-Newtonian) flow through a catheterized stenotic vessel. Canadian Journal of Physics, 2019, 97, 487-497.	1.1	12
9	Numerical computation of nonlinear oscillatory twoâ€immiscible magnetohydrodynamic flow in dual porous media system: FTCS and FEM study. Heat Transfer - Asian Research, 2019, 48, 1245-1263.	2.8	14
10	Peristaltically Wavy Motion on Dusty Walterâ€™s B Fluid with Inclined Magnetic Field and Heat Transfer. Arabian Journal for Science and Engineering, 2019, 44, 7799-7808.	3.0	5
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#	Article	IF	Citations
19	Slip effects on unsteady non-Newtonian blood flow through an inclined catheterized overlapping stenotic artery. AIP Advances, 2016, 6, .	1.3	27
20	Effects of peripheral layer thickness on pulsatile flow of Herschelâ€“Bulkley fluid through a stenotic artery. Canadian Journal of Physics, 2016, 94, 920-928.	1.1	10
21	Numerical simulation of unsteady micropolar hemodynamics in a tapered catheterized artery with a combination of stenosis and aneurysm. Medical and Biological Engineering and Computing, 2016, 54, 1423-1436.	2.8	35
22	Heat and mass transfer to blood flowing through a tapered overlapping stenosed artery. International Journal of Heat and Mass Transfer, 2016, 95, 1084-1095.	4.8	47
23	Numerical simulations of Oldroyd 8-constant fluid flow and heat transfer in a curved channel. International Journal of Heat and Mass Transfer, 2016, 94, 500-508.	4.8	51
24	UNSTEADY MAGNETOHYDRODYNAMIC BLOOD FLOW IN A POROUS-SATURATED OVERLAPPING STENOTIC ARTERY â€" NUMERICAL MODELING. Journal of Mechanics in Medicine and Biology, 2016, 16, 1650049.	0.7	20
25	Numerical study of unsteady blood flow through a vessel using Sisko model. Engineering Science and Technology, an International Journal, 2016, 19, 538-547.	3.2	16
26	Pulsatile Flow of Blood in a Vessel Using an Oldroyd-B fluid. International Journal of Nonlinear Sciences and Numerical Simulation, 2015, 16, 197-206.	1.0	7
27	Effects of unsteadiness and non-Newtonian rheology on blood flow through a tapered time-variant stenotic artery. AIP Advances, 2015, 5, .	1.3	27
28	Unsteady non-Newtonian blood flow through a tapered overlapping stenosed catheterized vessel. Mathematical Biosciences, 2015, 269, 94-103.	1.9	25
29	Unsteady blood flow through a tapered stenotic artery using Sisko model. Computers and Fluids, 2014, 101, 42-49.	2.5	40
30	Entropy generation analysis for peristalsis of magneto Jeffrey materials. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 0, , 095440892110412.	2.5	0