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Unsteady magnetohydrodynamic blood flow through irregular multi-stenosed arteries

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#	Paper	IF	Citations
52	UNSTEADY RESPONSE OF BLOOD FLOW THROUGH A COUPLE OF IRREGULAR ARTERIAL CONSTRICTIONS TO BODY ACCELERATION. <i>Journal of Mechanics in Medicine and Biology</i> , 2008 , 08, 395-420	0.7	15
51	Magneto-hydrodynamic biorheological transport phenomena in a porous medium: A simulation of magnetic blood flow control and filtration. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2011 , 27, 805-821	2.6	60
50	FINITE ELEMENT STUDY OF TRANSIENT PULSATILE MAGNETO-HEMODYNAMIC NON-NEWTONIAN FLOW AND DRUG DIFFUSION IN A POROUS MEDIUM CHANNEL. <i>Journal of Mechanics in Medicine and Biology</i> , 2012 , 12, 1250081	0.7	27
49	Numerical study of flow and heat transfer during oscillatory blood flow in diseased arteries in presence of magnetic fields. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2012 , 33, 649-662	3.2	16
48	Numerical simulation of Dean number and curvature effects on magneto-biofluid flow through a curved conduit. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2013 , 227, 1155-70	1.7	26
47	Modulation of the shape and speed of a chemical wave in an unstirred Belousov-Zhabotinsky reaction by a rotating magnet. <i>Bioelectromagnetics</i> , 2013 , 34, 220-30	1.6	3
46	Numerical Modeling of Blood Flow in Irregular Stenosed Artery with the Effects of Gravity. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2013 , 62,	1.2	2
45	Pulsatile Non-Newtonian Laminar Blood Flows through Arterial Double Stenoses. <i>Journal of Fluids</i> , 2014 , 2014, 1-13		19
44	Parametric Analysis of Entropy Generation in Magneto-Hemodynamic Flow in a Semi-Porous Channel with OHAM and DTM. <i>Applied Bionics and Biomechanics</i> , 2014 , 11, 47-60	1.6	16
43	SPECTRAL NUMERICAL SIMULATION OF MAGNETO-PHYSIOLOGICAL LAMINAR DEAN FLOW. <i>Journal of Mechanics in Medicine and Biology</i> , 2014 , 14, 1450047	0.7	12
42	Blood flow through a stenosed artery bifurcation under the effects of gravity. 2014 ,		3
41	Finite element analysis of magneto-hydrodynamic effects on blood flow in an aneurysmal geometry. <i>Physics of Fluids</i> , 2014 , 26, 101901	4.4	7
40	Unsteady blood flow through severe stenosis in an artery under the effects of gravitational forces. 2015 ,		1
39	Effects of magnetic field and Hall current to the blood velocity and LDL transfer. <i>Journal of Physics: Conference Series</i> , 2015 , 633, 012133	0.3	0
38	Modeling of Blood Flow in a Constricted Porous Vessel Under Magnetic Environment: An Analytical Approach. <i>International Journal of Applied and Computational Mathematics</i> , 2015 , 1, 219-234	1.3	2
37	Mathematical modeling of micropolar fluid flow through an overlapping arterial stenosis. <i>International Journal of Biomathematics</i> , 2015 , 08, 1550056	1.8	19
36	Mathematical modeling of unsteady blood flow through elastic tapered artery with overlapping stenosis. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2015 , 37, 571-578	2	19

35	Numerical and Analytical Study of Two-Layered Unsteady Blood Flow through Catheterized Artery. <i>PLoS ONE</i> , 2016 , 11, e0161377	3.7	8
34	Transient electro-magneto-hydrodynamic two-phase blood flow and thermal transport through a capillary vessel. <i>Computer Methods and Programs in Biomedicine</i> , 2016 , 137, 149-166	6.9	22
33	Numerical simulation of unsteady micropolar hemodynamics in a tapered catheterized artery with a combination of stenosis and aneurysm. <i>Medical and Biological Engineering and Computing</i> , 2016 , 54, 1423-1436	3.1	25
32	Effect of non-uniform magnetic field on biomagnetic fluid flow in a 3D channel. <i>Applied Mathematical Modelling</i> , 2016 , 40, 7336-7348	4.5	16
31	MAGNETOHYDRODYNAMIC EFFECTS ON THE GRANULAR TEMPERATURE OF RED BLOOD CELLS IN MICROVASCULATURE. <i>Journal of Mechanics in Medicine and Biology</i> , 2017 , 17, 1750003	0.7	
30	Applications of magnetohydrodynamics in biological systems-a review on the numerical studies. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 439, 358-372	2.8	72
29	Magnetohydrodynamic approach of non-Newtonian blood flow with magnetic particles in stenosed artery. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2017 , 38, 379-392	3.2	21
28	Computational model on pulsatile flow of blood through a tapered arterial stenosis with radially variable viscosity and magnetic field. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2017 , 42, 1901-1913	1	12
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26	Effect of magnetic field on haemodynamic perturbations in atherosclerotic coronary arteries. <i>Journal of Medical Engineering and Technology</i> , 2018 , 42, 148-156	1.8	2
25	Effects of nanoparticles (Cu (Copper), Silver (Ag)) and slip on unsteady blood flow through a curved stenosed channel with aneurysm. <i>Thermal Science and Engineering Progress</i> , 2018 , 5, 482-491	3.6	16
24	Numerical study of magnetohydrodynamic pulsatile flow of Sutterby fluid through an inclined overlapping arterial stenosis in the presence of periodic body acceleration. <i>Results in Physics</i> , 2018 , 9, 753-762	3.7	14
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19	Analysis of Entropy Generation Due to MHD Natural Convective Flow in an Inclined Channel in the Presence of Magnetic Field and Heat Source Effects. <i>BioNanoScience</i> , 2019 , 9, 660-671	3.4	2
18	Exploring magnetohydrodynamic voltage distributions in the human body: Preliminary results. <i>PLoS ONE</i> , 2019 , 14, e0213235	3.7	1

17	MHD micropolar blood flow model through a multiple stenosed artery. 2019 ,		
16	Effects of nanoparticles (Cu, TiO ₂ , Al ₂ O ₃) on unsteady blood flow through a curved overlapping stenosed channel. <i>Mathematics and Computers in Simulation</i> , 2019 , 156, 279-293	3.3	12
15	Adomian decomposition solution for propulsion of dissipative magnetic Jeffrey biofluid in a ciliated channel containing a porous medium with forced convection heat transfer. <i>Heat Transfer - Asian Research</i> , 2019 , 48, 556-581	2.8	17
14	Numerical study of biomagnetic fluid flow in a duct with a constriction affected by a magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 473, 42-50	2.8	23
13	Influence of Distal Stenosis on Blood Flow Through Coronary Serial Stenoses: A Numerical Study. <i>International Journal of Computational Methods</i> , 2019 , 16, 1842003	1.1	4
12	An implicit approach to the micropolar fluid model of blood flow under the effect of body acceleration. <i>Mathematical Sciences</i> , 2020 , 14, 269-277	1.6	5
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10	Particle fluid two phase modeling of electro-magneto hydrodynamic pulsatile flow of Jeffrey fluid in a constricted tube under periodic body acceleration. <i>European Journal of Mechanics, B/Fluids</i> , 2020 , 81, 76-92	2.4	9
9	Numerical investigation of thermally developed MHD flow with pulsation in a channel with multiple constrictions. <i>AIP Advances</i> , 2021 , 11, 055320	1.5	3
8	Investigation of the plaque morphology effect on changes of pulsatile blood flow in a stenosed curved artery induced by an external magnetic field. <i>Computers in Biology and Medicine</i> , 2021 , 135, 104600	7.0	2
7	Spatio-temporal evolution of magnetohydrodynamic blood flow and heat dynamics through a porous medium in a wavy-walled artery. <i>Computers in Biology and Medicine</i> , 2021 , 135, 104595	7	1
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3	Pulsatile flow of blood with shear-dependent viscosity through a flexible stenosed artery in the presence of body acceleration. 2022 , 34, 17-33		
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