

# Manjunatha Gudekote

## List of Publications by Year in descending order

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37  
papers

740  
citations

516710

16  
h-index

580821

25  
g-index

37  
all docs

37  
docs citations

37  
times ranked

357  
citing authors

#	ARTICLE	IF	CITATIONS
1	HEAT TRANSFER AND SLIP CONSEQUENCES ON PERISTALTIC TRANSPORT OF A CASSON FLUID IN AN AXISYMMETRIC POROUS TUBE. <i>Journal of Porous Media</i> , 2021, 24, 77-94.	1.9	4
2	Mass and heat transport impact on the peristaltic flow of a Ree-Eyring liquid through variable properties for hemodynamic flow. <i>Heat Transfer</i> , 2021, 50, 5106-5122.	3.0	64
3	Magnetohydrodynamic peristaltic flow of Bingham fluid in a channel: An application to blood flow. <i>Journal of Mechanical Engineering and Sciences</i> , 2021, 15, 8082-8094.	0.6	5
4	Analysis of temperature dependent properties of a peristaltic MHD flow in a non-uniform channel: A Casson fluid model. <i>Ain Shams Engineering Journal</i> , 2021, 12, 2181-2191.	6.1	35
5	Slip Effects on a Ree-Eyring Liquid Peristaltic Flow Towards an Inclined Channel and Variable Liquid Properties. <i>Journal of Nanofluids</i> , 2021, 10, 246-258.	2.7	7
6	Analysis of entropy generation and biomechanical investigation of MHD Jeffery fluid through a vertical non-uniform channel. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101538.	5.7	19
7	Impact of Electroosmosis and Wall Properties in Modelling Peristaltic Mechanism of a Jeffrey Liquid through a Microchannel with Variable Fluid Properties. <i>Inventions</i> , 2021, 6, 73.	2.5	13
8	Electro-kinetically modulated peristaltic mechanism of Jeffrey liquid through a micro-channel with variable viscosity. <i>Thermal Science</i> , 2021, 25, 271-277.	1.1	6
9	Impact of heat and mass transfer on the peristaltic mechanism of Jeffery fluid in a non-uniform porous channel with variable viscosity and thermal conductivity. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 1213-1228.	3.6	37
10	Heat and mass transfer analysis of MHD peristaltic flow through a complaint porous channel with variable thermal conductivity. <i>Physica Scripta</i> , 2020, 95, 045219.	2.5	56
11	Impact of Variable Transport Properties and Slip Effects on MHD Jeffrey Fluid Flow Through Channel. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 417-428.	3.0	37
12	Influence of transport properties on the peristaltic MHD Jeffrey fluid flow through a porous asymmetric tapered channel. <i>Results in Physics</i> , 2020, 18, 103295.	4.1	40
13	Rheological effects on peristaltic transport of Bingham fluid through an elastic tube with variable fluid properties and porous walls. <i>Heat Transfer</i> , 2020, 49, 3391-3408.	3.0	9
14	Red-emitting $\text{CaSc}_2\text{O}_4$ phosphor for NUV-based warm white LEDs: structural elucidation and Hirshfeld surface analysis. <i>International Journal of Energy Research</i> , 2020, 44, 8328-8339.	4.5	32
15	The hemodynamics of variable liquid properties on the MHD peristaltic mechanism of Jeffrey fluid with heat and mass transfer. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 693-706.	6.4	35
16	Slip flow of MHD Casson fluid in an inclined channel with variable transport properties. <i>Communications in Theoretical Physics</i> , 2020, 72, 095004.	2.5	24
17	Heat Transfer Analysis on Peristaltic Transport of a Jeffrey Fluid in an Inclined Elastic Tube with Porous Walls. <i>International Journal of Thermofluid Science and Technology</i> , 2020, 7, .	0.3	6
18	Effect of variable liquid properties on peristaltic transport of Rabinowitsch liquid in convectively heated complaint porous channel. <i>Journal of Central South University</i> , 2019, 26, 1116-1132.	3.0	15

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19	Peristaltic Flow of a Jeffery Fluid with Heat Transfer in an Inclined Porous Tube under the Influence of Slip and Variable Viscosity. Defect and Diffusion Forum, 2019, 393, 16-30.	0.4	4
20	Effect of variable liquid properties on peristaltic flow of a Rabinowitsch fluid in an inclined convective porous channel. European Physical Journal Plus, 2019, 134, 1.	2.6	24
21	Effect of carboxyl graphene interface in glass fiber reinforced epoxy nanocomposites. AIP Conference Proceedings, 2019, , .	0.4	0
22	Influence of convective conditions on the peristaltic mechanism of power-law fluid through a slippery elastic porous tube with different waveforms. Multidiscipline Modeling in Materials and Structures, 2019, 16, 340-358.	1.3	8
23	Nickel Oxide Nano-Particles on 3D Nickel Foam Substrate as a Non-Enzymatic Glucose Sensor. Journal of the Electrochemical Society, 2019, 166, B1602-B1611.	2.9	58
24	Peristaltic mechanism of a Rabinowitsch fluid in an inclined channel with compliant wall and variable liquid properties. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	47
25	Buongiorno Model for MHD Nanofluid Flow Between Rotating Parallel Plates in the Presence of Variable Liquid Properties. Journal of Nanofluids, 2019, 8, 399-406.	2.7	6
26	PERISTALTIC MOTION OF NON-NEWTONIAN FLUID WITH VARIABLE LIQUID PROPERTIES IN A CONVECTIVELY HEATED NONUNIFORM TUBE: RABINOWITSCH FLUID MODEL. Journal of Enhanced Heat Transfer, 2019, 26, 277-294.	1.1	15
27	PERISTALTIC MECHANISM OF BINGHAM LIQUID IN A CONVECTIVELY HEATED POROUS TUBE IN THE PRESENCE OF VARIABLE LIQUID PROPERTIES. Special Topics and Reviews in Porous Media, 2019, 10, 187-201.	1.1	11
28	Simultaneous Effects of Heat Transfer and Variable Viscosity on Peristaltic Transport of Casson Fluid Flow in an Inclined Porous Tube. International Journal of Applied Mechanics and Engineering, 2019, 24, 309-328.	0.7	3
29	Peristaltic flow of a Jeffery fluid over a porous conduit in the presence of variable liquid properties and convective boundary conditions. International Journal of Thermofluid Science and Technology, 2019, 6, .	0.3	3
30	Peristaltic Pumping of a Casson Fluid in a Convectively Heated Porous Channel with Variable Fluid Properties. Journal of Nanofluids, 2019, 8, 1446-1457.	2.7	3
31	Peristaltic transport of two-layered blood flow using Herschel-Bulkley Model. Cogent Engineering, 2018, 5, 1495592.	2.2	45
32	Role of slip and heat transfer on peristaltic transport of Herschel-Bulkley fluid through an elastic tube. Multidiscipline Modeling in Materials and Structures, 2018, 14, 940-959.	1.3	21
33	Rheological Properties and Peristalsis of Rabinowitsch Fluid Through Compliant Porous Walls in an Inclined Channel. Journal of Nanofluids, 2018, 8, 970-979.	2.7	21
34	Effects Wall Properties on Peristaltic Transport of Rabinowitsch Fluid through an Inclined Non-Uniform Slippery Tube. Defect and Diffusion Forum, 0, 392, 138-157.	0.4	15
35	Effects of Heat Transfer on Peristaltic Transport of a Bingham Fluid through an Inclined Tube with Different Wave Forms. Defect and Diffusion Forum, 0, 392, 158-177.	0.4	5
36	PERISTALTIC FLOW OF CASSON LIQUID IN AN INCLINED POROUS TUBE WITH CONVECTIVE BOUNDARY CONDITIONS AND VARIABLE LIQUID PROPERTIES. Frontiers in Heat and Mass Transfer, 0, 11, .	0.2	5

#	ARTICLE	IF	CITATIONS
37	IMPACT OF VARIABLE LIQUID PROPERTIES ON PERISTALTIC MECHANISM OF CONVECTIVELY HEATED JEFFREY FLUID IN A SLIPPERY ELASTIC TUBE. <i>Frontiers in Heat and Mass Transfer</i> , 0, 12, .	0.2	2