Saravana Ramachandran

List of Publications by Year
in descending order

21 papers	270 citations	1040056 9 h-index	940533 16 g-index
21 all docs	21 docs citations	21 times ranked	196 citing authors

#	Article	IF	Citations
1	Combined influence of velocity slip, temperature and concentration jump conditions on MHD peristaltic transport of a Carreau fluid in a non-uniform channel. Applied Mathematics and Computation, 2013, 225, 656-676.	2.2	54
2	Modeling and forecasting rainfall patterns of southwest monsoons in Northâ€“East India as a SARIMA process. Meteorology and Atmospheric Physics, 2018, 130, 99-106.	2.0	42
3	Influence of velocity slip and temperature jump conditions on the peristaltic flow of a Jeffrey fluid in contact with a Newtonian fluid. Applied Mathematics and Nonlinear Sciences, 2017, 2, 429-442.	1.6	39
4	Peristaltic transport of a Jeffrey fluid in contact with a Newtonian fluid in an inclined channel. Ain Shams Engineering Journal, 2017, 8, 683-687.	6.1	24
5	Effect of aligned magnetic field on Casson fluid flow over a stretched surface of non-uniform thickness. Nonlinear Engineering, 2019, 8, 283-292.	2.7	20
6	Thermal radiation and diffusion effects in MHD Williamson and Casson fluid flows pastÂaÂslendering stretching surface. Heat Transfer, 2022, 51, 3187-3200.	3.0	15
7	Unobserved component modeling for seasonal rainfall patterns in Rayalaseema region, India 1951â€“2015. Meteorology and Atmospheric Physics, 2019, 131, 1387-1399.	2.0	14
8	Influence of Compliant Walls and Heat Transfer on the Peristaltic Transport of a Rabinowitsch Fluid in an Inclined Channel. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2018, 73, 833-843.	1.5	13
9	Stochastic modelling of the monthly average maximum and minimum temperature patterns in India 1981â€“2015. Meteorology and Atmospheric Physics, 2019, 131, 775-787.	2.0	11
10	Unobservable Components Modelling of Monthly Average Maximum and Minimum Temperature Patterns in India 1981â€“2015. Pure and Applied Geophysics, 2019, 176, 463-482.	1.9	8
11	Modelling and forecasting for monthly surface air temperature patterns in India, 1951â€“2016: Structural time series approach. Journal of Earth System Science, 2021, 130, 1.	1.3	7
12	Modeling and predicting the patterns of seasonal rainfall in Tamil Nadu, India 1951â€“2017: an UCM approach. Arabian Journal of Geosciences, 2020, 13, 1.	1.3	6
13	MHD peristaltic flow of a hyperbolic tangent fluid in a non-uniform channel with heat and mass transfer. IOP Conference Series: Materials Science and Engineering, 2017, 263, 062006.	0.6	5
14	INFLUENCE OF ELASTICITY ON MHD PERISTALTIC TRANSPORT OF A JEFFREY FLUID THROUGH POROUS MEDIUM CHANNEL WITH HEAT AND MASS TRANSFER. Advances and Applications in Fluid Mechanics, 2014, 17, 1-16.	0.1	3
15	Hall effects on peristaltic flow of couple stress fluid in a vertical asymmetric channel. IOP Conference Series: Materials Science and Engineering, 2017, 263, 062021.	0.6	2
16	PERISTALTIC TRANSPORT OF A FOURTH GRADE FLUID BETWEEN POROUS WALLS WITH SUCTION AND INJECTION. International Journal of Pure and Applied Mathematics, 2013, 86, .	0.2	2
17	Physical Significance of Rotation and Hall Current Effects on Hemodynamic Physiological Jeffery Fluid with Porous Medium Through a Tapered Channel. Lecture Notes in Mechanical Engineering, 2021, , 573-587.	0.4	2
18	Aligned magnetic field effect on unsteady liquid film flow of Casson fluid over a stretching surface. IOP Conference Series: Materials Science and Engineering, 2017, 263, 062008.	0.6	1

#	Article	IF	Citations
19	Peristaltic Flow of a Bingham Fluid in Contact with a Jeffrey Fluid. Lecture Notes in Mechanical Engineering, 2018, , 505-513.	0.4	1
20	Peristaltic Flow of a Jeffrey Fluid in Contact with a Newtonian Fluid in a Vertical Channel. Trends in Mathematics, 2019, , 181-189.	0.1	1
21	Peristaltic motion of a Bingham fluid in contact with a Newtonian fluid in a vertical channel. IOP Conference Series: Materials Science and Engineering, 2017, 263, 062005.	0.6	0