

Sudip Debnath

List of Publications by Year in descending order

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papers

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1040056

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57
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of ring-source release on dispersion process in Poiseuille flow with wall absorption. Physics of Fluids, 2022, 34, .	4.0	11
2	Unsteady two-dimensional suspended sediment transport in open channel flow subject to deposition and re-entrainment. Journal of Engineering Mathematics, 2021, 126, 1.	1.2	3
3	Effect of multiple reactions on the transport coefficients in pulsatile flow through an annulus. International Communications in Heat and Mass Transfer, 2020, 110, 104369.	5.6	11
4	On transport of reactive solute in a pulsatile Casson fluid flow through an annulus. International Journal of Computer Mathematics, 2020, 97, 2303-2319.	1.8	14
5	Mathematical model on magneto-hydrodynamic dispersion in a porous medium under the influence of bulk chemical reaction. Korea Australia Rheology Journal, 2020, 32, 287-299.	1.7	13
6	Transport of reactive species in oscillatory Couette-Poiseuille flows subject to homogeneous and heterogeneous reactions. Applied Mathematics and Computation, 2020, 385, 125387.	2.2	4
7	Dispersion of Reactive Species in Casson Fluid Flow. Indian Journal of Pure and Applied Mathematics, 2020, 51, 1451-1469.	0.5	2
8	Distribution of Two-Dimensional Unsteady Sediment Concentration in an Open Channel Flow. Springer Proceedings in Mathematics and Statistics, 2020, , 83-90.	0.2	0
9	Transport of a reactive solute in a pulsatile non-Newtonian liquid flowing through an annular pipe. Journal of Engineering Mathematics, 2019, 116, 1-22.	1.2	24
10	Hydrodynamic Dispersion of Solute under Homogeneous and Heterogeneous Reactions. International Journal of Heat and Technology, 2019, 37, 387-397.	0.6	11
11	On Dispersion of a Reactive Solute in a Pulsatile Flow of a Two-Fluid Model. Journal of Applied Fluid Mechanics, 2019, 12, 987-1000.	0.2	5
12	Unsteady Convective Diffusion with Interphase Mass Transfer in Casson Liquid. Periodica Polytechnica: Chemical Engineering, 2018, 62, 215.	1.1	8
13	Hydrodynamic dispersion of reactive solute in a Hagen-Poiseuille flow of a layered liquid. Chinese Journal of Chemical Engineering, 2017, 25, 862-873.	3.5	17
14	Dispersion phenomena of reactive solute in a pulsatile flow of three-layer liquids. Physics of Fluids, 2017, 29, .	4.0	40
15	A Study on Solute Dispersion in a Three Layer Blood-like Liquid Flowing through a Rigid Artery. Periodica Polytechnica, Mechanical Engineering, 2017, 61, 173.	1.4	2
16	On Dispersion in Oscillatory Annular Flow Driven Jointly by Pressure Pulsation and Wall Oscillation. Journal of Applied Fluid Mechanics, 2017, 10, 1487-1500.	0.2	12
17	Some Properties of \mathbb{C}^2 Closed Sets. International Journal of Analysis. 2014. 2014. 1-5.	0.5	2