

Sudip Debnath

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7101029/publications.pdf>

Version: 2024-02-01

17
papers

179
citations

1040056

9
h-index

1058476

14
g-index

17
all docs

17
docs citations

17
times ranked

57
citing authors

#	ARTICLE	IF	CITATIONS
1	Dispersion phenomena of reactive solute in a pulsatile flow of three-layer liquids. <i>Physics of Fluids</i> , 2017, 29, .	4.0	40
2	Transport of a reactive solute in a pulsatile non-Newtonian liquid flowing through an annular pipe. <i>Journal of Engineering Mathematics</i> , 2019, 116, 1-22.	1.2	24
3	Hydrodynamic dispersion of reactive solute in a Hagen-Poiseuille flow of a layered liquid. <i>Chinese Journal of Chemical Engineering</i> , 2017, 25, 862-873.	3.5	17
4	On transport of reactive solute in a pulsatile Casson fluid flow through an annulus. <i>International Journal of Computer Mathematics</i> , 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. <i>Korea Australia Rheology Journal</i> , 2020, 32, 287-299.	1.7	13
6	On Dispersion in Oscillatory Annular Flow Driven Jointly by Pressure Pulsation and Wall Oscillation. <i>Journal of Applied Fluid Mechanics</i> , 2017, 10, 1487-1500.	0.2	12
7	Effect of multiple reactions on the transport coefficients in pulsatile flow through an annulus. <i>International Communications in Heat and Mass Transfer</i> , 2020, 110, 104369.	5.6	11
8	Hydrodynamic Dispersion of Solute under Homogeneous and Heterogeneous Reactions. <i>International Journal of Heat and Technology</i> , 2019, 37, 387-397.	0.6	11
9	Effect of ring-source release on dispersion process in Poiseuille flow with wall absorption. <i>Physics of Fluids</i> , 2022, 34, .	4.0	11
10	Unsteady Convective Diffusion with Interphase Mass Transfer in Casson Liquid. <i>Periodica Polytechnica: Chemical Engineering</i> , 2018, 62, 215.	1.1	8
11	On Dispersion of a Reactive Solute in a Pulsatile Flow of a Two-Fluid Model. <i>Journal of Applied Fluid Mechanics</i> , 2019, 12, 987-1000.	0.2	5
12	Transport of reactive species in oscillatory Couette-Poiseuille flows subject to homogeneous and heterogeneous reactions. <i>Applied Mathematics and Computation</i> , 2020, 385, 125387.	2.2	4
13	Unsteady two-dimensional suspended sediment transport in open channel flow subject to deposition and re-entrainment. <i>Journal of Engineering Mathematics</i> , 2021, 126, 1.	1.2	3
14	Some Properties of $\langle M_1 \rangle$ Separators. <i>International Journal of Analysis</i> , 2014, 2014, 1-5.	0.5	2
15	A Study on Solute Dispersion in a Three Layer Blood-like Liquid Flowing through a Rigid Artery. <i>Periodica Polytechnica, Mechanical Engineering</i> , 2017, 61, 173.	1.4	2
16	Dispersion of Reactive Species in Casson Fluid Flow. <i>Indian Journal of Pure and Applied Mathematics</i> , 2020, 51, 1451-1469.	0.5	2
17	Distribution of Two-Dimensional Unsteady Sediment Concentration in an Open Channel Flow. <i>Springer Proceedings in Mathematics and Statistics</i> , 2020, , 83-90.	0.2	0