

Jitraj Saha

List of Publications by Year in descending order

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1478505

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#	ARTICLE	IF	CITATIONS
1	Existence and uniqueness of mass conserving solutions to the coagulation and collision-induced breakage equation. <i>Journal of Analysis</i> , 2022, 30, 1323-1340.	0.6	4
2	The discrete Safronov-Dubovskii aggregation equation: Instantaneous gelation and nonexistence theorem. <i>Journal of Mathematical Analysis and Applications</i> , 2022, 514, 126310.	1.0	2
3	Improved accuracy and convergence analysis of finite volume methods for particle fragmentation models. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 1913-1930.	2.3	4
4	Conservative Finite Volume Schemes for Multidimensional Fragmentation Problems. <i>Mathematics</i> , 2021, 9, 635.	2.2	4
5	An application of semigroup theory to the coagulation-fragmentation models. <i>Turkish Journal of Mathematics</i> , 2021, 45, 2282-2294.	0.7	1
6	On the global solutions of discrete Safronov-Dubovskii aggregation equation. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2021, 72, 1.	1.4	3
7	An application of semigroup theory to the pure fragmentation equation. <i>Journal of Analysis</i> , 2020, 28, 95-106.	0.6	1
8	Existence and uniqueness of steady-state solution to a singular coagulation-fragmentation equation. <i>Journal of Computational and Applied Mathematics</i> , 2020, 380, 112992.	2.0	5
9	Numerical solutions for multidimensional fragmentation problems using finite volume methods. <i>Kinetic and Related Models</i> , 2019, 12, 79-103.	0.9	19
10	On the approximate solutions of fragmentation equations. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2018, 474, 20170541.	2.1	6
11	Vertical Sediment Concentration Distribution in High-Concentrated Flows: An Analytical Solution Using Homotopy Analysis Method. <i>Communications in Theoretical Physics</i> , 2018, 70, 367.	2.5	10
12	A volume-consistent discrete formulation of particle breakage equation. <i>Computers and Chemical Engineering</i> , 2017, 97, 147-160.	3.8	5
13	Finite volume approximations of breakage population balance equation. <i>Chemical Engineering Research and Design</i> , 2016, 110, 114-122.	5.6	22
14	The singular coagulation equation with multiple fragmentation. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2015, 66, 919-941.	1.4	16
15	Adomian decomposition method for solving fragmentation and aggregation population balance equations. <i>Journal of Applied Mathematics and Computing</i> , 2015, 48, 265-292.	2.5	27
16	Development of a mass conserving discretization technique for breakage problems and its convergence analysis. <i>International Journal of Advances in Engineering Sciences and Applied Mathematics</i> , 2015, 7, 51-61.	1.1	6
17	Development and Convergence Analysis of a Finite Volume Scheme for Solving Breakage Equation. <i>SIAM Journal on Numerical Analysis</i> , 2015, 53, 1672-1689.	2.3	30