

Jitraj Saha

List of Publications by Year in descending order

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1478505

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76
citing authors

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