

Bibekananda Bira

List of Publications by Year in descending order

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17
papers

245
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1163117

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1058476

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docs citations

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111
citing authors

#	ARTICLE	IF	CITATIONS
1	Exact solutions for some time-fractional evolution equations using Lie group theory. <i>Mathematical Methods in the Applied Sciences</i> , 2018, 41, 6717-6725.	2.3	57
2	Application of Lie groups to compressible model of two-phase flows. <i>Computers and Mathematics With Applications</i> , 2016, 71, 46-56.	2.7	39
3	Weak shock waves and its interaction with characteristic shocks in polyatomic gas. <i>Mathematical Methods in the Applied Sciences</i> , 2019, 42, 4679-4687.	2.3	35
4	Exact solution of the time fractional variant Boussinesq-Burgers equations. , 2021, 66, 437-449.		21
5	Collision of characteristic shock with weak discontinuity in non-ideal magnetogasdynamics. <i>Computers and Mathematics With Applications</i> , 2018, 75, 3873-3883.	2.7	20
6	Exact solutions to drift-flux multiphase flow models through Lie group symmetry analysis. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2015, 36, 1105-1112.	3.6	11
7	Symmetry group analysis and exact solutions of isentropic magnetogasdynamics. <i>Indian Journal of Pure and Applied Mathematics</i> , 2013, 44, 153-165.	0.5	9
8	Exact solutions to magnetogasdynamics using Lie point symmetries. <i>Meccanica</i> , 2013, 48, 1023-1029.	2.0	9
9	Lie group analysis and propagation of weak discontinuity in one-dimensional ideal isentropic magnetogasdynamics. <i>Applicable Analysis</i> , 2014, 93, 2598-2607.	1.3	9
10	Some Exact Solutions for Sediment Transport Equations. <i>International Journal of Applied and Computational Mathematics</i> , 2015, 1, 251-255.	1.6	8
11	Optimal algebra and power series solution of fractional Black-Scholes pricing model. <i>Soft Computing</i> , 2021, 25, 6075-6082.	3.6	8
12	Power Series Solution of Time-Fractional Majda-Biello System Using Lie Group Analysis. <i>SSRN Electronic Journal</i> , 0, , .	0.4	7
13	Exact solutions to magnetogasdynamic equations in Lagrangian coordinates. <i>Journal of Mathematical Chemistry</i> , 2015, 53, 1162-1171.	1.5	5
14	Lie Symmetry and Exact Solution of the Time-Fractional Hirota-Satsuma Korteweg-de Vries System. <i>Russian Journal of Mathematical Physics</i> , 2021, 28, 284-292.	1.5	3
15	Evolution of weak discontinuity in a van der Waals gas. <i>Ain Shams Engineering Journal</i> , 2015, 6, 1129-1132.	6.1	2
16	EXACT SOLUTION AND CONSERVATION LAWS OF FRACTIONAL COUPLED WAVE INTERACTION EQUATION. <i>Fractals</i> , 2019, 27, 1950019.	3.7	2
17	Group invariant solution of some time fractional evolution equations. <i>Journal of Applied Mathematics and Computational Mechanics</i> , 2018, 17, 35-46.	0.7	0