

Zhao Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

588
citations

687220

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794469

19
g-index

21
all docs

21
docs citations

21
times ranked

111
citing authors

#	ARTICLE	IF	CITATIONS
1	Soliton molecules and novel smooth positons for the complex modified KdV equation. Applied Mathematics Letters, 2020, 103, 106168.	1.5	92
2	Soliton Molecules, Asymmetric Solitons and Hybrid Solutions for (2+1)-Dimensional Fifth-Order KdV Equation*. Chinese Physics Letters, 2019, 36, 120501.	1.3	64
3	Novel soliton molecules and breather-positon on zero background for the complex modified KdV equation. Nonlinear Dynamics, 2020, 100, 1551-1557.	2.7	64
4	Trajectory equation of a lump before and after collision with line, lump, and breather waves for (2+1)-dimensional Kadomtsevâ€“Petviashvili equation*. Chinese Physics B, 2019, 28, 110201.	0.7	54
5	A new class of nonlinear superposition between lump waves and other waves for Kadomtsevâ€“Petviashvili I equation. Communications in Nonlinear Science and Numerical Simulation, 2021, 101, 105866.	1.7	52
6	Fusion and fission phenomena for $$	1.5	46
7	fifth-order KdV system. Applied Mathematics Letters, 2021, 116, 107004. Soliton Molecules and Some Hybrid Solutions for the Nonlinear Schrödinger Equation[*]. Chinese Physics Letters, 2020, 37, 030501.	1.3	39
8	Construction of higher-order smooth positons and breather positons via Hirotaâ€“Ts bilinear method. Nonlinear Dynamics, 2021, 105, 2611-2618.	2.7	28
9	Degenerate lump interactions within the Kadomtsevâ€“Petviashvili equation. Communications in Nonlinear Science and Numerical Simulation, 2022, 112, 106555.	1.7	24
10	Soliton molecules and dynamics of the smooth positon for the Gerdjikovâ€“Ivanov equation*. Chinese Physics B, 2020, 29, 100501.	0.7	20
11	Lump molecules in fluid systems: Kadomtsev-Petviashvili I case. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 424, 127848.	0.9	18
12	Soliton Molecules and Some Novel Types of Hybrid Solutions to (2+1)-Dimensional Variable-Coefficient Caudrey-Dodd-Gibbon-Kotera-Sawada Equation. Advances in Mathematical Physics, 2020, 2020, 1-9.	0.4	16
13	High-order breathers, lumps and hybrid solutions to the (2+1)-dimensional fifth-order KdV equation. International Journal of Modern Physics B, 2019, 33, 1950255.	1.0	14
14	The nonlinear superposition between anomalous scattering of lumps and other waves for KPI equation. Nonlinear Dynamics, 2022, 108, 4157-4169.	2.7	14
15	Space-Curved Resonant Line Solitons in a Generalized (2 + 1)-Dimensional Fifth-Order KdV System. Chinese Physics Letters, 2021, 38, 060501.	1.3	13
16	Breathers, lumps and hybrid solutions of the (2+1)-dimensional Hirotaâ€“Satsumaâ€“Ito equation. Rocky Mountain Journal of Mathematics, 2020, 50, .	0.2	13
17	Multisoliton solutions with even numbers and its generated solutions for nonlocal Fokasâ€“Lenells equation. Communications in Theoretical Physics, 2020, 72, 125007.	1.1	8
18	The generation mechanism of multiple-pole solutions for the fifth-order mKdV equation. European Physical Journal Plus, 2022, 137, 1.	1.2	4

#	ARTICLE	IF	CITATIONS
19	Breather Positons and Rogue Waves for the Nonlocal Fokas-Lenells Equation. <i>Advances in Mathematical Physics</i> , 2021, 2021, 1-6.	0.4	2
20	Multiple-pole solutions and degeneration of breather solutions to the focusing nonlinear Schrödinger equation. <i>Communications in Theoretical Physics</i> , 0, , .	1.1	2
21	Y-shaped soliton solutions for the (2+1)-dimensional bidirectional Sawada-Kotera equation. <i>Modern Physics Letters B</i> , 0, , .	1.0	1