

Zhao Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

588
citations

687220

13
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794469

19
g-index

21
all docs

21
docs citations

21
times ranked

111
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	The generation mechanism of multiple-pole solutions for the fifth-order mKdV equation. European Physical Journal Plus, 2022, 137, 1.	1.2	4
3	Degenerate lump interactions within the Kadomtsev-Petviashvili equation. Communications in Nonlinear Science and Numerical Simulation, 2022, 112, 106555.	1.7	24
4	The nonlinear superposition between anomalous scattering of lumps and other waves for KPI equation. Nonlinear Dynamics, 2022, 108, 4157-4169.	2.7	14
5	Breather Positons and Rogue Waves for the Nonlocal Fokas-Lenells Equation. Advances in Mathematical Physics, 2021, 2021, 1-6.	0.4	2
6	Fusion and fission phenomena for $\text{altimg="si5.svg"} \times \text{mrow} \langle \text{mo} \langle \text{mo} \langle \text{mn} \rangle 2 \langle \text{mn} \rangle \text{mo} \rangle \text{Tj ETQqO O O rgBT /Overlock 10 Tf 50 542 Td (l$	1.5	46
7	fifth-order KdV system. Applied Mathematics Letters, 2021, 116, 107004. Space-Curved Resonant Line Solitons in a Generalized $(2 + 1)$ -Dimensional Fifth-Order KdV System. Chinese Physics Letters, 2021, 38, 060501.	1.3	13
8	Construction of higher-order smooth positons and breather positons via Hirota's bilinear method. Nonlinear Dynamics, 2021, 105, 2611-2618.	2.7	28
9	A new class of nonlinear superposition between lump waves and other waves for Kadomtsev-Petviashvili I equation. Communications in Nonlinear Science and Numerical Simulation, 2021, 101, 105866.	1.7	52
10	Soliton molecules and novel smooth positons for the complex modified KdV equation. Applied Mathematics Letters, 2020, 103, 106168.	1.5	92
11	Soliton molecules and dynamics of the smooth positon for the Gerdjikov-Ivanov equation*. Chinese Physics B, 2020, 29, 100501.	0.7	20
12	Soliton Molecules and Some Hybrid Solutions for the Nonlinear Schrödinger Equation [*] . Chinese Physics Letters, 2020, 37, 030501.	1.3	39
13	Novel soliton molecules and breather-positon on zero background for the complex modified KdV equation. Nonlinear Dynamics, 2020, 100, 1551-1557.	2.7	64
14	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
15	Multisoliton solutions with even numbers and its generated solutions for nonlocal Fokas-Lenells equation. Communications in Theoretical Physics, 2020, 72, 125007.	1.1	8
16	Breathers, lumps and hybrid solutions of the $(2 + 1)$ -dimensional Hirota-Satsuma-Ito equation. Rocky Mountain Journal of Mathematics, 2020, 50, .	0.2	13
17	Trajectory equation of a lump before and after collision with line, lump, and breather waves for $(2 + 1)$ -dimensional Kadomtsev-Petviashvili equation*. Chinese Physics B, 2019, 28, 110201.	0.7	54
18	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

#	ARTICLE	IF	CITATIONS
19	Soliton Molecules, Asymmetric Solitons and Hybrid Solutions for (2+1)-Dimensional Fifth-Order KdV Equation*. Chinese Physics Letters, 2019, 36, 120501.	1.3	64
20	Y-shaped soliton solutions for the (2+1)-dimensional bidirectional Sawada-Kotera equation. Modern Physics Letters B, 0, , .	1.0	1
21	Multiple-pole solutions and degeneration of breather solutions to the focusing nonlinear Schrödinger equation. Communications in Theoretical Physics, 0, , .	1.1	2