Junchao Chen

List of Publications by Year
in descending order

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41	918	430874	477307
papers	citations	18 h-index	29 g-index

41	41	41	279
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rational solutions to two- and one-dimensional multicomponent Yajimaâ€“Oikawa systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 1510-1519.	2.1	114
2	Nonlocal symmetry, Darboux transformation and solitonâ€“cnoidal wave interaction solution for the shallow water wave equation. Journal of Mathematical Analysis and Applications, 2018, 460, 987-1003.	1.0	59
3	Rogue Waves in the Generalized Derivative Nonlinear SchrÃ¶dinger Equations. Journal of Nonlinear Science, 2020, 30, 3027-3056.	2.1	52
4	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.	3.3	52
5	Residual symmetries and soliton-cnoidal wave interaction solutions for the negative-order Kortewegâ€“de Vries equation. Applied Mathematics Letters, 2017, 73, 136-142.	2.7	50
6	Nonlocal symmetries of the Hirota-Satsuma coupled Korteweg-de Vries system and their applications: Exact interaction solutions and integrable hierarchy. Journal of Mathematical Physics, 2014, 55, .	1.1	48
7	Consistent Riccati expansion solvability and solitonâ€“cnoidal wave interaction solution of a (2+1)-dimensional Kortewegâ€“de Vries equation. Applied Mathematics Letters, 2017, 64, 87-93.	2.7	46
8	General High-order Rogue Waves of the (1+1)-Dimensional Yajimaâ€“Oikawa System. Journal of the Physical Society of Japan, 2018, 87, 094007.	1.6	42
9	General Mixed Multi-Soliton Solutions to One-Dimensional Multicomponent Yajimaâ€“Oikawa System. Journal of the Physical Society of Japan, 2015, 84, 074001.	1.6	35
10	Gradient-optimized physics-informed neural networks (GOPINNs): a deep learning method for solving the complex modified KdV equation. Nonlinear Dynamics, 2022, 107, 781-792.	5.2	35
11	The Derivative Yajimaâ€“Oikawa System: Bright, Dark Soliton and Breather Solutions. Studies in Applied Mathematics, 2018, 141, 145-185.	2.4	30
12	Construction of higher-order smooth positons and breather positons via Hirotaâ€™s bilinear method. Nonlinear Dynamics, 2021, 105, 2611-2618.	5.2	28
13	Multi-Dark Soliton Solutions of the Two-Dimensional Multi-Component Yajimaâ€“Oikawa Systems. Journal of the Physical Society of Japan, 2015, 84, 034002.	1.6	26
14	High-order rogue waves of a long-waveâ€“short-wave model of Newell type. Physical Review E, 2019, 100, 052216.	2.1	25
15	Degenerate lump interactions within the Kadomtsevâ€“Petviashvili equation. Communications in Nonlinear Science and Numerical Simulation, 2022, 112, 106555.	3.3	24
16	Nonlocal symmetry constraints and exact interaction solutions of the (2+1) dimensional modified generalized long dispersive wave equation. Journal of Nonlinear Mathematical Physics, 2014, 21, 454.	1.3	23
17	Lump and line soliton pairs to a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml11" display="inline" overflow="scroll" altimg="si11.gif"><mml:mrow><mml:mo>(</mml:mo><mml:mn>2</mml:mn><mml:mo>+</mml:mo><mml:mn>1</mml:mn><mml:mo integrable Kadomtsevâ€“Petviashvili equation. Computers and Mathematics With Applications, 2018, 76, 1130-1138.	2.7	22
18	Multiple bright soliton solutions of a reverse-space nonlocal nonlinear SchrÃ¶dinger equation. Applied Mathematics Letters, 2020, 106, 106375.	2.7	21

#	Article	IF	Citations
19	General brightâ€“dark soliton solution to (2Â+Â1)-dimensional multi-component long-waveâ€“short-wave resonance interaction system. Nonlinear Dynamics, 2017, 88, 1273-1288.	5.2	19
20	General N-Dark Soliton Solutions of the Multi-Component Melâ€™nikov System. Journal of the Physical Society of Japan, 2017, 86, 074005.	1.6	15
21	The nonlinear superposition between anomalous scattering of lumps and other waves for KPI equation. Nonlinear Dynamics, 2022, 108, 4157-4169.	5.2	14
22	Bright soliton solutions to a nonlocal nonlinear SchrÃ¶dinger equation of reverse-time type. Nonlinear Dynamics, 2020, 100, 2807-2816.	5.2	12
23	Multiple (Gâ€²/G)-expansion method and its applications to nonlinear evolution equations in mathematical physics. Pramana - Journal of Physics, 2012, 78, 375-388.	1.8	11
24	Nonlocal symmetries and explicit solutions of the Boussinesq equation. Chinese Annals of Mathematics Series B, 2014, 35, 841-856.	0.4	11
25	Multi-component generalizations of the Hirotaâ€“Satsuma coupled KdV equation. Applied Mathematics Letters, 2014, 37, 15-21.	2.7	11
26	Bright-Dark Mixed N-Soliton Solutions of the Multi-Component Melâ€™nikov System. Journal of the Physical Society of Japan, 2017, 86, 104008.	1.6	11
27	Integrable discretizations and self-adaptive moving mesh method for a coupled short pulse equation. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 385202.	2.1	10
28	BÃcklund transformation and solitonâ€“cnoidal wave interaction solution for the coupled Kleinâ€“Gordon equations. Nonlinear Dynamics, 2018, 91, 1949-1961.	5.2	10
29	An integrable semi-discretization of the coupled Yajimaâ€“Oikawa system. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 165201.	2.1	9
30	Mixed lumpâ€“soliton solutions to the two-dimensional Toda lattice equation via symbolic computation. Nonlinear Dynamics, 2019, 96, 1531-1539.	5.2	8
31	Twisted lump, lumpoff and rogue wave of the (2+1)-dimensional Kaupâ€“Kupershmidt equation. European Physical Journal Plus, 2020, 135, 1.	2.6	8
32	Rational solutions of the (2+1)-dimensional Kaupâ€“Kupershmidt equation. Applied Mathematics Letters, 2019, 95, 150-157.	2.7	7
33	A Note on the Bilinearization of the Generalized Derivative Nonlinear SchrÃ¶dinger Equation. Journal of the Physical Society of Japan, 2021, 90, 023001.	1.6	7
34	Bilinear BÃcklund transformation, Lax pair and multi-soliton solutionÂfor a vector Ramani equation. Modern Physics Letters B, 2017, 31, 1750133.	1.9	6
35	Resonance Y-shaped soliton and interaction solutions in the (2 + 1)-dimensional B-type Kadomtsevâ€“Petviashvili equation. International Journal of Modern Physics B, 2021, 35, 2150222.	2.0	5
36	Three-Dimensional Brightâ€“Dark Soliton, Bright Soliton Pairs, and Rogue Wave of Coupled Nonlinear SchrÂ¨odinger Equation with Timeâ€“Space Modulation. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2012, 67, 483-490.	1.5	4

#	Article	IF	Citations
37	Gram determinant solutions to nonlocal integrable discrete nonlinear SchrÃ¶dinger equations via the pair reduction. Wave Motion, 2020, 93, 102487.	2.0	4
38	Finite symmetry transformation groups and some exact solutions of the Wu-Zhang equation. , 2011, , .		1
39	Resonant Soliton and Soliton-Cnoidal Wave Solutions for a (3+1)-Dimensional Korteweg-de Vries-Like Equation. Complexity, 2019, 2019, 1-11.	1.6	1
40	Exact solutions to the three-dimensional incompressible magnetohydrodynamics equations without viscosity. Nonlinear Dynamics, 2021, 106, 919-926.	5.2	1
41	Localized Nonlinear Waves in Nonlinear SchrÂ¨odinger Equation with Nonlinearities Modulated in Space and Time. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2011, 66, 728-734.	1.5	1