

Junchao Chen

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Gradient-optimized physics-informed neural networks (GOPINNs): a deep learning method for solving the complex modified KdV equation. <i>Nonlinear Dynamics</i> , 2022, 107, 781-792.	5.2	35
2	Degenerate lump interactions within the Kadomtsevâ€“Petviashvili equation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2022, 112, 106555.	3.3	24
3	The nonlinear superposition between anomalous scattering of lumps and other waves for KPI equation. <i>Nonlinear Dynamics</i> , 2022, 108, 4157-4169.	5.2	14
4	A Note on the Bilinearization of the Generalized Derivative Nonlinear SchrÃ¶dinger Equation. <i>Journal of the Physical Society of Japan</i> , 2021, 90, 023001.	1.6	7
5	Resonance Y-shaped soliton and interaction solutions in the (2 + 1)-dimensional B-type Kadomtsevâ€“Petviashvili equation. <i>International Journal of Modern Physics B</i> , 2021, 35, 2150222.	2.0	5
6	Construction of higher-order smooth positons and breather positons via Hirotaâ€™s bilinear method. <i>Nonlinear Dynamics</i> , 2021, 105, 2611-2618.	5.2	28
7	Exact solutions to the three-dimensional incompressible magnetohydrodynamics equations without viscosity. <i>Nonlinear Dynamics</i> , 2021, 106, 919-926.	5.2	1
8	A new class of nonlinear superposition between lump waves and other waves for Kadomtsevâ€“Petviashvili I equation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 101, 105866.	3.3	52
9	Gram determinant solutions to nonlocal integrable discrete nonlinear SchrÃ¶dinger equations via the pair reduction. <i>Wave Motion</i> , 2020, 93, 102487.	2.0	4
10	Rogue Waves in the Generalized Derivative Nonlinear SchrÃ¶dinger Equations. <i>Journal of Nonlinear Science</i> , 2020, 30, 3027-3056.	2.1	52
11	Bright soliton solutions to a nonlocal nonlinear SchrÃ¶dinger equation of reverse-time type. <i>Nonlinear Dynamics</i> , 2020, 100, 2807-2816.	5.2	12
12	Twisted lump, lumpoff and rogue wave of the (2+1)-dimensional Kaupâ€“Kupershmidt equation. <i>European Physical Journal Plus</i> , 2020, 135, 1.	2.6	8
13	Multiple bright soliton solutions of a reverse-space nonlocal nonlinear SchrÃ¶dinger equation. <i>Applied Mathematics Letters</i> , 2020, 106, 106375.	2.7	21
14	Resonant Soliton and Soliton-Cnoidal Wave Solutions for a (3+1)-Dimensional Korteweg-de Vries-Like Equation. <i>Complexity</i> , 2019, 2019, 1-11.	1.6	1
15	Rational solutions of the (2+1)-dimensional Kaupâ€“Kupershmidt equation. <i>Applied Mathematics Letters</i> , 2019, 95, 150-157.	2.7	7
16	Mixed lumpâ€“soliton solutions to the two-dimensional Toda lattice equation via symbolic computation. <i>Nonlinear Dynamics</i> , 2019, 96, 1531-1539.	5.2	8
17	High-order rogue waves of a long-waveâ€“short-wave model of Newell type. <i>Physical Review E</i> , 2019, 100, 052216.	2.1	25
18	Nonlocal symmetry, Darboux transformation and solitonâ€“cnoidal wave interaction solution for the shallow water wave equation. <i>Journal of Mathematical Analysis and Applications</i> , 2018, 460, 987-1003.	1.0	59

#	ARTICLE	IF	CITATIONS
19	The Derivative Yajima–Oikawa System: Bright, Dark Soliton and Breather Solutions. <i>Studies in Applied Mathematics</i> , 2018, 141, 145-185.	2.4	30
20	Bäcklund transformation and soliton–cnoidal wave interaction solution for the coupled Klein–Gordon equations. <i>Nonlinear Dynamics</i> , 2018, 91, 1949-1961.	5.2	10
21	General High-order Rogue Waves of the (1+1)-Dimensional Yajima–Oikawa System. <i>Journal of the Physical Society of Japan</i> , 2018, 87, 094007.	1.6	42
22	Lump and line soliton pairs to a $\frac{1}{2}$ -integrable Kadomtsev–Petviashvili equation. <i>Computers and Mathematics With Applications</i> , 2018, 76, 1130-1138.	2.7	22
23	Bilinear Bäcklund transformation, Lax pair and multi-soliton solution for a vector Ramani equation. <i>Modern Physics Letters B</i> , 2017, 31, 1750133.	1.9	6
24	Residual symmetries and soliton–cnoidal wave interaction solutions for the negative-order Korteweg–de Vries equation. <i>Applied Mathematics Letters</i> , 2017, 73, 136-142.	2.7	50
25	General bright–dark soliton solution to (2+1)-dimensional multi-component long-wave–short-wave resonance interaction system. <i>Nonlinear Dynamics</i> , 2017, 88, 1273-1288.	5.2	19
26	Bright-Dark Mixed N-Soliton Solutions of the Multi-Component Mel’nikov System. <i>Journal of the Physical Society of Japan</i> , 2017, 86, 104008.	1.6	11
27	General N-Dark Soliton Solutions of the Multi-Component Mel’nikov System. <i>Journal of the Physical Society of Japan</i> , 2017, 86, 074005.	1.6	15
28	Consistent Riccati expansion solvability and soliton–cnoidal wave interaction solution of a (2+1)-dimensional Korteweg–de Vries equation. <i>Applied Mathematics Letters</i> , 2017, 64, 87-93.	2.7	46
29	An integrable semi-discretization of the coupled Yajima–Oikawa system. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016, 49, 165201.	2.1	9
30	Integrable discretizations and self-adaptive moving mesh method for a coupled short pulse equation. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 385202.	2.1	10
31	Multi-Dark Soliton Solutions of the Two-Dimensional Multi-Component Yajima–Oikawa Systems. <i>Journal of the Physical Society of Japan</i> , 2015, 84, 034002.	1.6	26
32	Rational solutions to two- and one-dimensional multicomponent Yajima–Oikawa systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 1510-1519.	2.1	114
33	General Mixed Multi-Soliton Solutions to One-Dimensional Multicomponent Yajima–Oikawa System. <i>Journal of the Physical Society of Japan</i> , 2015, 84, 074001.	1.6	35
34	Nonlocal symmetry constraints and exact interaction solutions of the (2+1) dimensional modified generalized long dispersive wave equation. <i>Journal of Nonlinear Mathematical Physics</i> , 2014, 21, 454.	1.3	23
35	Nonlocal symmetries and explicit solutions of the Boussinesq equation. <i>Chinese Annals of Mathematics Series B</i> , 2014, 35, 841-856.	0.4	11
36	Nonlocal symmetries of the Hirota–Satsuma coupled Korteweg–de Vries system and their applications: Exact interaction solutions and integrable hierarchy. <i>Journal of Mathematical Physics</i> , 2014, 55, .	1.1	48

#	ARTICLE	IF	CITATIONS
37	Multi-component generalizations of the Hirota-Satsuma coupled KdV equation. Applied Mathematics Letters, 2014, 37, 15-21.	2.7	11
38	Three-Dimensional Bright-Dark Soliton, Bright Soliton Pairs, and Rogue Wave of Coupled Nonlinear Schrödinger Equation with Time-Space Modulation. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2012, 67, 483-490.	1.5	4
39	Multiple (G^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
40	Finite symmetry transformation groups and some exact solutions of the Wu-Zhang equation. , 2011, , .		1
41	Localized Nonlinear Waves in Nonlinear Schrödinger Equation with Nonlinearities Modulated in Space and Time. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2011, 66, 728-734.	1.5	1