Bao-Feng Feng

List of Publications by Year
in descending order

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Version: 2024-02-01

36	1,216	394421	377865
papers	citations	19 h-index	34 g-index

36	36	36	283
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	General soliton solution to a nonlocal nonlinear SchrÃ¶dinger equation with zero and nonzero boundary conditions. Nonlinearity, 2018, 31, 5385-5409.	1.4	126
2	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
3	Multi-soliton, multi-breather and higher order rogue wave solutions to the complex short pulse equation. Physica D: Nonlinear Phenomena, 2016, 327, 13-29.	2.8	109
4	Complex short pulse and coupled complex short pulse equations. Physica D: Nonlinear Phenomena, 2015, 297, 62-75.	2.8	88
5	Multiâ€breather and highâ€order rogue waves for the nonlinear SchrÃ¶dinger equation on the elliptic function background. Studies in Applied Mathematics, 2020, 144, 46-101.	2.4	78
6	Reverse Spaceâ€Time Nonlocal Sineâ€Gordon/Sinhâ€Gordon Equations with Nonzero Boundary Conditions. Studies in Applied Mathematics, 2018, 141, 267-307.	2.4	68
7	Inverse Scattering Transform for the Nonlocal Reverse Spaceâ€“Time Nonlinear SchrÃ¶dinger Equation. Theoretical and Mathematical Physics(Russian Federation), 2018, 196, 1241-1267.	0.9	54
8	Integrable discretizations of the short pulse equation. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 085203.	2.1	51
9	From the Real and Complex Coupled Dispersionless Equations to the Real and Complex Short Pulse Equations. Studies in Applied Mathematics, 2016, 136, 64-88.	2.4	51
10	Defocusing complex short-pulse equation and its multi-dark-soliton solution. Physical Review E, 2016, 93, 052227.	2.1	50
11	An integrable semi-discretization of the Camassaâ€“Holm equation and its determinant solution. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 355205.	2.1	44
12	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
13	The Derivative Yajimaâ€“Oikawa System: Bright, Dark Soliton and Breather Solutions. Studies in Applied Mathematics, 2018, 141, 145-185.	2.4	30
14	A self-adaptive moving mesh method for the Camassaâ€“Holm equation. Journal of Computational and Applied Mathematics, 2010, 235, 229-243.	2.0	27
15	Discrete integrable systems and hodograph transformations arising from motions of discrete plane curves. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 395201.	2.1	27
16	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
17	Integrable semi-discretization of a multi-component short pulse equation. Journal of Mathematical Physics, 2015, 56, .	1.1	25
18	High-order rogue waves of a long-waveâ€“short-wave model of Newell type. Physical Review E, 2019, 100, 052216.	2.1	25

#	Article	IF	Citations
19	Self-adaptive moving mesh schemes for short pulse type equations and their Lax pairs. Pacific Journal of Mathematics for Industry, 2014, 6, .	0.7	22
20	Higher-order rogue wave solutions of the Sasaâ€“Satsuma equation. Journal of Physics A: Mathematical and Theoretical, 2022, 55, 235701.	2.1	19
21	Geometric Formulation and Multiâ€dark Soliton Solution to the Defocusing Complex Short Pulse Equation. Studies in Applied Mathematics, 2017, 138, 343-367.	2.4	18
22	Inverse scattering transform for the complex short-pulse equation by a Riemannâ€“Hilbert approach. European Physical Journal Plus, 2020, 135, 1.	2.6	18
23	Quasi-Continuum Approximation for Discrete Breathers in Fermiâ€“Pastaâ€“Ulam Atomic Chains. Journal of the Physical Society of Japan, 2004, 73, 2100-2111.	1.6	13
24	Integrable semi-discretizations of the reduced Ostrovsky equation. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 135203.	2.1	13
25	A modified complex short pulse equation of defocusing type. Journal of Nonlinear Mathematical Physics, 2017, 24, 195.	1.3	12
26	Inverse scattering transform for the complex coupled shortâ€pulse equation. Studies in Applied Mathematics, 2022, 148, 918-963.	2.4	11
27	Multi-breather solutions to the Sasaâ€“Satsuma equation. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2022, 478, .	2.1	10
28	Integrable discretizations for the short-wave model of the Camassaâ€“Holm equation. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 265202.	2.1	8
29	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
30	A focusing and defocusing semi-discrete complex short-pulse equation and its various soliton solutions. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2021, 477, 20200853.	2.1	7
31	On the Ï„-functions of the reduced Ostrovsky equation and theA(2)2two-dimensional Toda system. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 355203.	2.1	6
32	Integrable discretizations of the Dym equation. Frontiers of Mathematics in China, 2013, 8, 1017-1029.	0.7	6
33	An Integrable Three Particle System Related to Intrinsic Localized Modes in Fermiâ€“Pastaâ€“Ulam-Î² Chain. Journal of the Physical Society of Japan, 2006, 75, 014401.	1.6	5
34	Gram determinant solutions to nonlocal integrable discrete nonlinear SchrÃ¶dinger equations via the pair reduction. Wave Motion, 2020, 93, 102487.	2.0	4
35	Integrable semi-discretization of a modified short wave equation. Applied Mathematics Letters, 2021, 125, 107739.	2.7	1
36	Short wave limit of the Novikov equation and its integrable semi-discretizations. Journal of Physics A: Mathematical and Theoretical, 0, , .	2.1	1