Bo Xu

List of Publications by Year
in descending order

22 papers	128 citations	1478505 6 h-index	1372567 10 g-index
22 all docs	22 docs citations	22 times ranked	32 citing authors

#	Article	IF	Citations
1	PainlevÃ© Test and Exact Solutions for (1 + 1)-Dimensional Generalized Broerâ€“Kaup Equations. Mathematics, 2022, 10, 486.	2.2	3
2	Analytical Method for Generalized Nonlinear SchrÃ¶dinger Equation with Time-Varying Coefficients: Lax Representation, Riemann-Hilbert Problem Solutions. Mathematics, 2022, 10, 1043.	2.2	3
3	Variational iteration method for two fractional systems with boundary conditions. Thermal Science, 2022, 26, 2653-2661.	1.1	3
4	Line Soliton Interactions for Shallow Ocean Waves and Novel Solutions with Peakon, Ring, Conical, Columnar, and Lump Structures Based on Fractional KP Equation. Advances in Mathematical Physics, 2021, 2021, 1-15.	0.8	13
5	Fractional isospectral and non-isospectral AKNS hierarchies and their analytic methods for N-fractal solutions with Mittag-Leffler functions. Advances in Difference Equations, 2021, 2021, .	3.5	5
6	Fractional Rogue Waves with Translational Coordination, Steep Crest, and Modified Asymmetry. Complexity, 2021, 2021, 1-14.	1.6	2
7	Riemannâ€“Hilbert Approach for Constructing Analytical Solutions and Conservation Laws of a Local Time-Fractional Nonlinear SchrÃ¶dinger Type Equation. Symmetry, 2021, 13, 1593.	2.2	9
8	Analytical methods for non-linear fractional Kolmogorov-Petrovskii-Piskunov equation: Soliton solution and operator solution. Thermal Science, 2021, 25, 2161-2168.	1.1	4
9	Exact Solutions of Nonlinear Equations in Mathematical Physics via Negative Power Expansion Method. Journal of Mathematical Physics, Analysis, Geometry, 2021, 17, 369-387.	0.1	1
10	Analytical Insights into a Generalized Semidiscrete System with Time-Varying Coefficients: Derivation, Exact Solutions, and Nonlinear Soliton Dynamics. Complexity, 2020, 2020, 1-15.	1.6	0
11	Fractional derivative of inverse matrix and its applications to soliton theory. Thermal Science, 2020, 24, 2597-2604.	1.1	4
12	Fractional Soliton Dynamics and Spectral Transform of Time-Fractional Nonlinear Systems: A Concrete Example. Complexity, 2019, 2019, 1-9.	1.6	7
13	Rational Waves and Complex Dynamics: Analytical Insights into a Generalized Nonlinear SchrÃ¶dinger Equation with Distributed Coefficients. Complexity, 2019, 2019, 1-17.	1.6	5
14	Integrability, exact solutions and nonlinear dynamics of a nonisospectral integral-differential system. Open Physics, 2019, 17, 299-306.	1.7	2
15	Analytical insights into three models: Exact solutions and nonlinear vibrations. Journal of Low Frequency Noise Vibration and Active Control, 2019, 38, 901-913.	2.9	3
16	Bilinearization and fractional soliton dynamics of fractional Kadomtsev-Petviashvili equation. Thermal Science, 2019, 23, 1425-1431.	1.1	7
17	Exact solutions with arbitrary functions of the (4+1)-dimensional fokas equation. Thermal Science, 2019, 23, 2403-2411.	1.1	7
18	Derivation and soliton dynamics of a new non-isospectral and variable-coefficient system. Thermal Science, 2019, 23, 639-646.	1.1	3

#	Article	IF	Citations
19	A Novel Approach to a Time-Dependent-Coefficient WBK System: Doubly Periodic Waves and Singular Nonlinear Dynamics. Complexity, 2018, 2018, 1-14.	1.6	5
20	New multi-soliton solutions of Whitham-Broer-Kaup shallow-water-wave equations. Thermal Science, 2017, 21, 137-144.	1.1	5
21	Variable separation method for nonlinear time fractional biological population model. International Journal of Numerical Methods for Heat and Fluid Flow, 2015, 25, 1531-1541.	2.8	18
22	Exact solutions of a KdV equation hierarchy with variable coefficients. International Journal of Computer Mathematics, 2014, 91, 1601-1616.	1.8	19