Bo Xue

List of Publications by Year in Descending Order

44 papers	365 citations	10 h-index	18 g-index
45 ext. papers	451 ext. citations	2 avg, IF	4.24 L-index

#	Paper	IF	Citations
44	A vector Geng–Li model: New nonlinear phenomena and breathers on periodic background waves. *Physica D: Nonlinear Phenomena*, **2022**, 434, 133270	3.3	0
43	Riemann–Hilbert approach and long-time asymptotics for the three-component derivative nonlinear Schrödinger equation. *Analysis and Mathematical Physics*, **2022**, 12, 1	1.3	
42	Darboux transformation and exact solutions for a four-component Fokas–Lenells equation. *Results in Physics*, **2021**, 31, 105027	3.7	1
41	Riemann–Hilbert approach and N-soliton solutions for a negative matrix AKNS system with a Hermitian symmetric space. *Wave Motion*, **2021**, 108, 102838	1.8	
40	Explicit Solutions of the Coupled Bogoyavlensky Lattice 1(2) Hierarchy. *Results in Mathematics*, **2021**, 76, 1	0.9	
39	A second-order three-wave interaction system and its rogue wave solutions. *Nonlinear Dynamics*, **2021**, 105, 2575-2593	5	2
38	Spectral analysis and soliton structures for the Hermitian symmetric space Fokas–Lenells equation. *Nonlinear Dynamics*, **2021**, 106, 907-918	5	0
37	A Degasperis–Procesi equation II with multi-peakon solutions. *Applied Mathematics Letters*, **2021**, 121, 107463	3.5	
36	Riemann theta function solutions to the coupled long wave–short wave resonance equations. *Analysis and Mathematical Physics*, **2020**, 10, 1	1.3	1
35	Breathers and breather-rogue waves on a periodic background for the derivative nonlinear Schrödinger equation. *Physica Scripta*, **2020**, 95, 055216	2.6	8
34	Darboux transformations for a matrix long-wave–short-wave equation and higher-order rational rogue-wave solutions. *Mathematical Methods in the Applied Sciences*, **2020**, 43, 948-967	2.3	4
33	A Vector General Nonlinear Schrödinger Equation with ((m+n)) Components. *Journal of Nonlinear Science*, **2020**, 30, 991-1013	2.8	37
32	A generalized complex mKdV equation: Darboux transformations and explicit solutions. *Wave Motion*, **2020**, 98, 102639	1.8	7
31	A Five-Component Generalized mKdV Equation and Its Exact Solutions. *Mathematics*, **2020**, 8, 1145	2.3	1
30	Modulation instability and dynamics for the Hermitian symmetric space derivative nonlinear Schrödinger equation. *Communications in Nonlinear Science and Numerical Simulation*, **2019**, 78, 104877	3.7	6
29	A Hermitian symmetric space Fokas–Lenells equation: Solitons, breathers, rogue waves. *Annals of Physics*, **2019**, 404, 115-131	2.5	7
28	Higher-order solutions of a matrix AKNS system associated with a Hermitian symmetric space. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2019**, 383, 3047-3055	2.3	2

#	Reference	IF	Cit
27	Dynamical behaviour of rogue wave solutions in a multi-component AB system. *Wave Motion*, **2019**, 89, 1-13	1.8	10
26	Exact solutions of a negative matrix AKNS system with a Hermitian symmetric space. *Applied Mathematics Letters*, **2019**, 90, 8-14	3.5	5
25	Finite Genus Solutions to the Coupled Burgers Hierarchy. *Results in Mathematics*, **2019**, 74, 1	0.9	5
24	A new nonlinear wave equation: Darboux transformation and soliton solutions. *Wave Motion*, **2018**, 79, 44-56	1.8	16
23	An extension of the coupled derivative nonlinear Schrödinger hierarchy. *Modern Physics Letters B*, **2018**, 32, 1850016	1.6	
22	A hierarchy of generalized Jaulent-Miodek equations and their explicit solutions. *International Journal of Geometric Methods in Modern Physics*, **2018**, 15, 1850002	1.5	0
21	A coupled nonlinear Schrödinger-type equation and its Darboux transformation. *Modern Physics Letters B*, **2018**, 32, 1850192	1.6	1
20	Three-Component Generalisation of Burgers Equation and Its Bi-Hamiltonian Structures. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2017**, 72, 469-475	1.4	
19	Some generalized coupled nonlinear Schrödinger equations and conservation laws. *Modern Physics Letters B*, **2017**, 31, 1750299	1.6	2
18	Explicit Solutions and Conservation Laws of a Coupled Burgers Equation. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2017**, 72, 789-793	1.4	1
17	A new integrable equation with peakons and cuspons and its bi-Hamiltonian structure. *Applied Mathematics Letters*, **2015**, 46, 64-69	3.5	7
16	Darboux transformation and conservation laws of a integrable evolution equations with 3 × 3 Lax pairs. *Applied Mathematics and Computation*, **2015**, 269, 326-331	2.7	5
15	New hierarchy of integrable nonlinear differential-difference equations. *Modern Physics Letters B*, **2015**, 29, 1550190	1.6	1
14	Explicit quasi-periodic solutions of the Kaup-Newell hierarchy. *Journal of Mathematical Analysis and Applications*, **2015**, 425, 1097-1112	1.1	14
13	Conservation laws and Hamiltonian structures of the generalized sine-Gordon hierarchy. *Modern Physics Letters B*, **2014**, 28, 1450248	1.6	
12	Hamiltonian structures and conservation laws of the Belov-Chaltikian lattice hierarchy. *Journal of Mathematical Physics*, **2014**, 55, 063505	1.2	1
11	A Super Camassa-Holm Equation with N-Peakon Solutions. *Studies in Applied Mathematics*, **2013**, 130, 1-16	2.1	17
10	Algebro-Geometric Solutions of the TD Hierarchy. *Mathematical Physics Analysis and Geometry*, **2013**, 16, 229-251	0.8	8

9	Quasi-Periodic Solutions of Coupled KDV Type Equations. *Journal of Nonlinear Mathematical Physics*, **2013**, 20, 61	0.9	5
8	N-soliton and quasi-periodic solutions of the KdV6 equations. *Applied Mathematics and Computation*, **2012**, 219, 3504-3510	2.7	10
7	Quasiperiodic solutions of Jaulent-Miodek equations with a negative flow. *Journal of Mathematical Physics*, **2012**, 53, 063710	1.2	1
6	A GENERALIZATION OF TODA LATTICES AND THEIR BI-HAMILTONIAN STRUCTURES. *Modern Physics Letters B*, **2012**, 26, 1250078	1.6	4
5	A three-component generalization of Camassa-Holm equation with N-peakon solutions. *Advances in Mathematics*, **2011**, 226, 827-839	1.3	47
4	Soliton solutions and quasiperiodic solutions of modified Korteweg-de Vries type equations. *Journal of Mathematical Physics*, **2010**, 51, 063516	1.2	15
3	SOME NEW INTEGRABLE NONLINEAR EVOLUTION EQUATIONS AND THEIR INFINITELY MANY CONSERVATION LAWS. *Modern Physics Letters B*, **2010**, 24, 2077-2090	1.6	5
2	Quasi-periodic solutions of mixed AKNS equations. *Nonlinear Analysis: Theory, Methods & Applications*, **2010**, 73, 3662-3674	1.3	20
1	An extension of integrable peakon equations with cubic nonlinearity. *Nonlinearity*, **2009**, 22, 1847-1856	1.7	89