Rui Guo

List of Publications by Year
in descending order

24 papers	990 citations	758635 12 h-index	676716 22 g-index
24 all docs	24 docs citations	24 times ranked	313 citing authors

#	Article	IF	Citations
1	Breather-to-soliton transitions, nonlinear wave interactions, and modulational instability in a higher-order generalized nonlinear Schrödinger equation. Physical Review E, 2016, 93, 012214.	0.8	169
2	Dynamic behaviors of the breather solutions for the AB system in fluid mechanics. Nonlinear Dynamics, 2013, 74, 701-709.	2.7	146
3	Coherently coupled solitons, breathers and rogue waves for polarized optical waves in an isotropic medium. Nonlinear Dynamics, 2015, 80, 1221-1230.	2.7	128
4	Breathers and localized solitons for the Hirota–Maxwell–Bloch system on constant backgrounds in erbium doped fibers. Annals of Physics, 2014, 344, 10-16.	1.0	108
5	Modulational instability, higher-order localized wave structures, and nonlinear wave interactions for a nonautonomous Lenells-Fokas equation in inhomogeneous fibers. Chaos, 2015, 25, 063111.	1.0	105
6	Breathers and multi-soliton solutions for the higher-order generalized nonlinear Schrödinger equation. Communications in Nonlinear Science and Numerical Simulation, 2013, 18, 2426-2435.	1.7	101
7	Modulation instability, conservation laws and soliton solutions for an inhomogeneous discrete nonlinear Schrödinger equation. Nonlinear Dynamics, 2017, 88, 1615-1622.	2.7	62
8	A higher-order coupled nonlinear Schrödinger system: solitons, breathers, and rogue wave solutions. Nonlinear Dynamics, 2016, 83, 2475-2484.	2.7	50
9	Semirational solutions and baseband modulational instability of the AB system in fluid mechanics. European Physical Journal Plus, 2015, 130, 1.	1.2	16
10	Discrete Hirota equation: discrete Darboux transformation and new discrete soliton solutions. Nonlinear Dynamics, 2016, 84, 1901-1907.	2.7	16
11	BOUND SOLITONS AND BREATHERS FOR THE GENERALIZED COUPLED NONLINEAR SCHRÖDINGER–MAXWELL–BLOCH SYSTEM. Modern Physics Letters B, 2013, 27, 1350130.	1.0	14
12	Breathers and localized solutions of complex modified Korteweg–de Vries equation. Modern Physics Letters B, 2015, 29, 1550129.	1.0	13
13	Rogue wave solutions and modulation instability for the mixed nonlinear Schrödinger equation. Applied Mathematics Letters, 2021, 121, 107450.	1.5	13
14	Effects of loss or gain terms on soliton and breather solutions in a couple fiber system. Nonlinear Dynamics, 2016, 84, 933-941.	2.7	11
15	Nonlocal continuous Hirota equation: Darboux transformation and symmetry broken and unbroken soliton solutions. Nonlinear Dynamics, 2021, 105, 617-628.	2.7	9
16	Soliton-like solutions of the coupled Hirota–Maxwell–Bloch system in optical fibers with symbolic computation. Physica Scripta, 2009, 79, 065016.	1.2	8
17	Darboux transformation and new soliton solutions for the (2+1)-dimensional complex modified Korteweg–de Vries and Maxwell–Bloch equations. Modern Physics Letters B, 2018, 32, 1850277.	1.0	5
18	Soliton, breather-like and dark-soliton-breather-like solutions for the coupled long-wave–short-wave system. Nonlinear Dynamics, 2022, 108, 543-554.	2.7	5

#	Article	IF	Citations
19	Soliton and Breather Solutions for the Mixed Nonlinear Schrödinger Equation via<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:mi>N</mml:mi></mml:mrow></mml:math>-Fold Darboux Transformation. Journal of Applied Mathematics, 2014, 2014, 1-7.	0.4	4
20	Soliton solutions, conservation laws and modulation instability for the discrete coupled modified Korteweg–de Vries equations. Modern Physics Letters B, 2018, 32, 1850152.	1.0	3
21	Modulation Instability, Breathers, and Bound Solitons in an Erbium-Doped Fiber System with Higher-Order Effects. Abstract and Applied Analysis, 2014, 2014, 1-13.	0.3	2
22	Darboux transformation and the exact solutions of the (2+1)-dimensional nonlocal complex modified Korteweg-de Vries and Maxwell–Bloch equations. Modern Physics Letters B, 2020, 34, 2050230.	1.0	2
23	Positive Solutions for Impulsive Differential Equations with Mixed Monotonicity and Optimal Control. Abstract and Applied Analysis, 2014, 2014, 1-11.	0.3	0
24	Soliton solutions for Hirota–Maxwell–Bloch system and its nonlocal form. Modern Physics Letters B, 2022, 36, .	1.0	0