

Zhan-Ying Yang

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,064
citations

394421

19
h-index

454955

30
g-index

58
all docs

58
docs citations

58
times ranked

305
citing authors

#	ARTICLE	IF	CITATIONS
1	State transition induced by higher-order effects and background frequency. <i>Physical Review E</i> , 2015, 91, 022904.	2.1	83
2	Rogue-wave pattern transition induced by relative frequency. <i>Physical Review E</i> , 2014, 90, 022918.	2.1	63
3	Symmetric and asymmetric optical multipeak solitons on a continuous wave background in the femtosecond regime. <i>Physical Review E</i> , 2016, 94, 042221.	2.1	54
4	Transition, coexistence, and interaction of vector localized waves arising from higher-order effects. <i>Annals of Physics</i> , 2015, 362, 130-138.	2.8	50
5	Snakelike nonautonomous solitons in a graded-index grating waveguide. <i>Physical Review A</i> , 2010, 81, .	2.5	47
6	The rogue waves with quintic nonlinearity and nonlinear dispersion effects in nonlinear optical fibers. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015, 20, 9-13.	3.3	46
7	Vector breathers and the inelastic interaction in a three-mode nonlinear optical fiber. <i>Physical Review A</i> , 2014, 89, .	2.5	44
8	Superregular breathers in a complex modified Korteweg-de Vries system. <i>Chaos</i> , 2017, 27, 083120.	2.5	43
9	Soliton excitations on a continuous-wave background in the modulational instability regime with fourth-order effects. <i>Physical Review E</i> , 2017, 95, 042212.	2.1	37
10	Generation mechanisms of fundamental rogue wave spatial-temporal structure. <i>Physical Review E</i> , 2017, 96, 022211.	2.1	36
11	Growth rate of modulation instability driven by superregular breathers. <i>Chaos</i> , 2018, 28, 083110.	2.5	36
12	Different types of nonlinear localized and periodic waves in an erbium-doped fiber system. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 2991-2994.	2.1	33
13	Pair-tunneling induced localized waves in a vector nonlinear Schrödinger equation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015, 23, 21-27.	3.3	31
14	Dynamics of a nonautonomous soliton in a generalized nonlinear Schrödinger equation. <i>Physical Review E</i> , 2011, 83, 066602.	2.1	28
15	Mechanism of Kuznetsov-Ma breathers. <i>Physical Review E</i> , 2018, 97, 022218.	2.1	26
16	Polariton superregular breathers in a resonant erbium-doped fiber. <i>Physical Review E</i> , 2018, 98, .	2.1	26
17	Precisely controllable bright nonautonomous solitons in Bose-Einstein condensate. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 375, 1839-1842.	2.1	22
18	Characteristics of fundamental and superregular modes in a multiple self-induced transparency system. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018, 63, 161-170.	3.3	21

#	ARTICLE	IF	CITATIONS
19	Magnetic lump motion in saturated ferromagnetic films. <i>Physical Review E</i> , 2022, 105, 014205.	2.1	21
20	Chessboard-like spatio-temporal interference patterns and their excitation. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019, 36, 1294.	2.1	20
21	Localized Waves on Continuous Wave Background in a Two-Mode Nonlinear Fiber with High-Order Effects. <i>Journal of the Physical Society of Japan</i> , 2014, 83, 104401.	1.6	19
22	The dynamics of nonautonomous soliton inside planar graded-index waveguide with distributed coefficients. <i>Optics Communications</i> , 2010, 283, 3768-3772.	2.1	18
23	Bright chirp-free and chirped nonautonomous solitons under dispersion and nonlinearity management. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011, 28, 236.	2.1	17
24	Optical rogue waves generated on Gaussian background beam. <i>Optics Letters</i> , 2014, 39, 1057.	3.3	17
25	Excitation conditions of several fundamental nonlinear waves on continuous-wave background. <i>Physical Review E</i> , 2019, 99, 012216.	2.1	17
26	Dynamics of rogue wave excitation pattern on stripe phase backgrounds in a two-component Bose-Einstein condensate. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2017, 49, 39-47.	3.3	16
27	Vector rogue waves on a double-plane wave background. <i>Europhysics Letters</i> , 2019, 125, 40003.	2.0	15
28	Interference properties of two-component matter wave solitons. <i>Chinese Physics B</i> , 2020, 29, 020303.	1.4	13
29	Heteroclinic-structure transition of the pure quartic modulation instability. <i>Physical Review Research</i> , 2022, 4, .	3.6	12
30	Three types magnetic moment distribution of nonlinear excitations in a Heisenberg helimagnet. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 1874-1878.	2.1	10
31	Asymmetric W-shaped and M-shaped soliton pulse generated from a weak modulation in an exponential dispersion decreasing fiber. <i>Chinese Physics B</i> , 2017, 26, 120503.	1.4	10
32	Breathers and solitons on two different backgrounds in a generalized coupled Hirota system with four wave mixing. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018, 382, 1738-1744.	2.1	10
33	Several localized waves induced by linear interference between a nonlinear plane wave and bright solitons. <i>Chaos</i> , 2018, 28, 013111.	2.5	8
34	Modified linear stability analysis for quantitative dynamics of a perturbed plane wave. <i>Physical Review E</i> , 2020, 102, 022207.	2.1	8
35	Breather Interaction Properties Induced by Self-Steepening and Space-Time Correction. <i>Chinese Physics Letters</i> , 2020, 37, 040501.	3.3	8
36	Dynamics of Nonautonomous Dark Solitons. <i>Communications in Theoretical Physics</i> , 2013, 59, 703-710.	2.5	7

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37	Magnetized vector solitons in a spin-orbit coupled spin-1 Bose-Einstein condensate with Zeeman coupling. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 2883-2890.	2.1	7
38	High-order rogue waves excited from multi-Gaussian perturbations on a continuous wave. <i>Optics Letters</i> , 2020, 45, 2399.	3.3	7
39	Optical Rogue Wave Excitation and Modulation on a Bright Soliton Background. <i>Chinese Physics Letters</i> , 2016, 33, 010501.	3.3	6
40	Characteristics of optical multi-peak solitons induced by higher-order effects in an erbium-doped fiber system. <i>European Physical Journal D</i> , 2016, 70, 1.	1.3	6
41	Stable supercontinuum pulse generated by modulation instability in a dispersion-managed fiber. <i>Journal of Modern Optics</i> , 2016, 63, 1397-1402.	1.3	6
42	Surface energy of the one-dimensional supersymmetric $t\hat{\alpha}^{\prime\prime}J$ model with unparallel boundary fields. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	6
43	Frequency conversion dynamics of vector modulation instability in normal-dispersion high-birefringence fibers. <i>Nonlinear Dynamics</i> , 2021, 103, 1035-1041.	5.2	6
44	Matter-wave stripe solitons induced by helicoidal spin-orbit coupling. <i>Annals of Physics</i> , 2021, 431, 168562.	2.8	6
45	Nonautonomous Dark Solitons and Rogue Waves in a Graded-Index Grating Waveguide. <i>Communications in Theoretical Physics</i> , 2013, 59, 311-318.	2.5	5
46	Controllable optical superregular breathers in the femtosecond regime. <i>Chinese Physics B</i> , 2018, 27, 010504.	1.4	5
47	Controllable generation of several nonlinear waves in optical fibers with third-order dispersion. <i>Physical Review A</i> , 2021, 103, .	2.5	5
48	Excitations of breathers and rogue wave in the Heisenberg spin chain. <i>Annals of Physics</i> , 2018, 388, 315-322.	2.8	4
49	Dynamics of perturbations at the critical points between modulation instability and stability regimes. <i>Chaos</i> , 2019, 29, 083112.	2.5	4
50	Quantized Superfluid Vortex Filaments Induced by the Axial Flow Effect [*] . <i>Chinese Physics Letters</i> , 2020, 37, 030302.	3.3	4
51	Quantitative relations between fundamental nonlinear waves and modulation instability. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2020, 69, 010501.	0.5	4
52	Kink-like breathers in Bose-Einstein condensates with helicoidal spin-orbit coupling. <i>Frontiers of Physics</i> , 2022, 17, 1.	5.0	3
53	Breather-induced quantised superfluid vortex filaments and their characterisation. <i>Communications in Theoretical Physics</i> , 2020, 72, 075802.	2.5	2
54	Reverse Rotation of Ring-Shaped Perturbation on Homogeneous Bose-Einstein Condensates. <i>Chinese Physics Letters</i> , 2021, 38, 090302.	3.3	2

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55	Nonlinear Waves on Localized and Periodic Backgrounds with Time-Space Modulation. Communications in Theoretical Physics, 2017, 67, 520.	2.5	1
56	Localized Optical Waves in Defocusing Regime of Negative-Index Materials. Chinese Physics Letters, 2017, 34, 100501.	3.3	1
57	Nonlinear Excitation and State Transition of Multi-Peak Solitons. Chinese Physics Letters, 2018, 35, 070501.	3.3	1
58	Control of matter-wave solitons using an accelerating atomic mirror. Journal of Physics B: Atomic, Molecular and Optical Physics, 2022, 55, 145301.	1.5	1