Jianhua Zeng

List of Publications by Year
in descending order

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Version: 2024-02-01

43	840	430874	501196
papers	citations	18 h-index	28 g-index

44	44	44	218
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Localized Modes in Nonlinear Fractional Systems with Deep Lattices. Advanced Theory and Simulations, 2022, 5, .	2.8	9
2	Overcoming the snaking instability and nucleation of dark solitons in nonlinear Kerr media by spatially inhomogeneous defocusing nonlinearity. Chaos, Solitons and Fractals, 2022, 156, 111803.	5.1	0
3	3D Nonlinear Localized Gap Modes in Boseâ€Einstein Condensates Trapped by Optical Lattices and Spaceâ€Periodic Nonlinear Potentials. Advanced Photonics Research, 2022, 3, .	3.6	4
4	Electromagnetically induced moirÃ© optical lattices in a coherent atomic gas. Frontiers of Physics, 2022, 17, .	5.0	17
5	Matter-wave gap solitons and vortices in three-dimensional parity-time-symmetric optical lattices. IScience, 2022, 25, 104026.	4.1	7
6	Dark gap solitons in one-dimensional nonlinear periodic media with fourth-order dispersion. Chaos, Solitons and Fractals, 2022, 157, 111950.	5.1	6
7	One-dimensional purely Lee-Huang-Yang fluids dominated by quantum fluctuations in two-component Bose-Einstein condensates. Chaos, Solitons and Fractals, 2022, 160, 112240.	5.1	4
8	Nonlinear localized modes in one-dimensional nanoscale dark-state optical lattices. Nanophotonics, 2022, 11, 3465-3474.	6.0	4
9	Localized gap modes of coherently trapped atoms in an optical lattice. Optics Express, 2021, 29, 3011.	3.4	18
10	Dark matter-wave gap solitons in dense ultracold atoms trapped by a one-dimensional optical lattice. Physical Review A, 2021, 103, .	2.5	17
11	One-dimensional quantum droplets under space-periodic nonlinear management. Results in Physics, 2021, 21, 103781.	4.1	8
12	Dark matter-wave gap solitons of Bose-Einstein condensates trapped in optical lattices with competing cubic-quintic nonlinearities. Chaos, Solitons and Fractals, 2021, 150, 111149.	5.1	13
13	Two-dimensional optical gap solitons and vortices in a coherent atomic ensemble loaded on optical lattices. Communications in Nonlinear Science and Numerical Simulation, 2021, 102, 105911.	3.3	16
14	Self-trapped spatially localized states in combined linear-nonlinear periodic potentials. Frontiers of Physics, 2020, 15, 1.	5.0	20
15	1D Solitons in Saturable Nonlinear Media with Space Fractional Derivatives. Annalen Der Physik, 2020, 532, 1900385.	2.4	21
16	Fractional quantum couplers. Chaos, Solitons and Fractals, 2020, 140, 110271.	5.1	21
17	Modulated solitons, soliton and vortex clusters in purely nonlinear defocusing media. Annals of Physics, 2020, 421, 168284.	2.8	19
18	Spontaneous symmetry breaking in purely nonlinear fractional systems. Chaos, 2020, 30, 063131.	2.5	13

#	Article	IF	Citations
19	Preventing critical collapse of higher-order solitons by tailoring unconventional optical diffraction and nonlinearities. Communications Physics, 2020, 3, .	5.3	64
20	One-dimensional localized modes of spin-orbit-coupled Bose-Einstein condensates with spatially periodic modulated atom-atom interactions: Nonlinear lattices. Communications in Nonlinear Science and Numerical Simulation, 2020, 85, 105217.	3.3	9
21	One-dimensional gap solitons in quintic and cubicâ€“quintic fractional nonlinear SchrÃ¶dinger equations with a periodically modulated linear potential. Nonlinear Dynamics, 2019, 98, 985-995.	5.2	60
22	Asymmetric localized states in periodic potentials with a domain-wall-like Kerr nonlinearity. Journal of Physics Communications, 2019, 3, 035003.	1.2	7
23	Gap-type dark localized modes in a Boseâ€“Einstein condensate with optical lattices. Advanced Photonics, 2019, 1, 1.	11.8	54
24	Gaussian-like and flat-top solitons of atoms with spatially modulated repulsive interactions. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 2278.	2.1	19
25	Purely Kerr nonlinear model admitting flat-top solitons. Optics Letters, 2019, 44, 1206.	3.3	29
26	One-dimensional solitons in fractional SchrÃ¶dinger equation with a spatially periodical modulated nonlinearity: nonlinear lattice. Optics Letters, 2019, 44, 2661.	3.3	66
27	Two-dimensional matter-wave solitons and vortices in competing cubic-quintic nonlinear lattices. Frontiers of Physics, 2018, 13, 1.	5.0	25
28	Suppression of the critical collapse for one-dimensional solitons by saturable quintic nonlinear lattices. Chaos, 2018, 28, 075501.	2.5	20
29	Localized dark solitons and vortices in defocusing media with spatially inhomogeneous nonlinearity. Physical Review E, 2017, 95, 052214.	2.1	28
30	Suppressing the critical collapse of solitons by one-dimensional quintic nonlinear lattices. Mathematics and Computers in Simulation, 2016, 127, 287-296.	4.4	1
31	Bright solitons from the nonpolynomial SchrÃ¶dinger equation with inhomogeneous defocusing nonlinearities. Physical Review E, 2013, 88, 025201.	2.1	27
32	Two-dimensional intraband solitons in lattice potentials with local defects and self-focusing nonlinearity. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 1786.	2.1	9
33	Bright solitons in defocusing media with spatial modulation of the quintic nonlinearity. Physical Review E, 2012, 86, 036607.	2.1	40
34	Stabilization of one-dimensional solitons against the critical collapse by quintic nonlinear lattices. Physical Review A, 2012, 85, .	2.5	36
35	Two-dimensional solitons and vortices in media with incommensurate linear and nonlinear lattice potentials. Physica Scripta, 2012, T149, 014035.	2.5	22
36	Two-dimensional solitons in PT linear lattice potentials. Physical Review E, 2012, 85, 047601.	2.1	47

#	Article	IF	Citations
37	Domain walls and vortices in two-mode photonic systems. , 2011, , .		0
38	Domain walls and vortices in linearly coupled systems. Physical Review E, 2011, 84, 046602.	2.1	43
39	Backward self-induced transparency in metamaterials. Physical Review A, 2009, 80, .	2.5	6
40	Quantum coherent control of ultrashort laser pulses. Science Bulletin, 2008, 53, 652-658.	1.7	2
41	Generation of a self-pulsed picosecond solitary wave train from a periodically amplifying Bragg structure. Physical Review A, 2008, 78, .	2.5	3
42	Nonlinear dynamics of negatively refracted light in a resonantly absorbing Bragg reflector. Optics Letters, 2007, 32, 1117.	3.3	3
43	Two-Dimensional Solitons and Vortices in Linear and Nonlinear Lattice Potentials. , 0, , .		3