

# Liangwei Zeng

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

575  
citations

567144

15  
h-index

752573

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

97  
citing authors

#	ARTICLE	IF	CITATIONS
1	One-dimensional solitons in fractional Schrödinger equation with a spatially periodical modulated nonlinearity: nonlinear lattice. <i>Optics Letters</i> , 2019, 44, 2661.	1.7	66
2	Preventing critical collapse of higher-order solitons by tailoring unconventional optical diffraction and nonlinearities. <i>Communications Physics</i> , 2020, 3, .	2.0	64
3	One-dimensional gap solitons in quintic and cubic-quintic fractional nonlinear Schrödinger equations with a periodically modulated linear potential. <i>Nonlinear Dynamics</i> , 2019, 98, 985-995.	2.7	60
4	Gap-type dark localized modes in a Bose-Einstein condensate with optical lattices. <i>Advanced Photonics</i> , 2019, 1, 1.	6.2	54
5	Families of fundamental and multipole solitons in a cubic-quintic nonlinear lattice in fractional dimension. <i>Chaos, Solitons and Fractals</i> , 2021, 144, 110589.	2.5	50
6	Purely Kerr nonlinear model admitting flat-top solitons. <i>Optics Letters</i> , 2019, 44, 1206.	1.7	29
7	Stable and oscillating solitons of $\mathcal{PT}$ -symmetric couplers with gain and loss in fractional dimension. <i>Nonlinear Dynamics</i> , 2021, 103, 1831-1840.	2.7	27
8	Localized modes and dark solitons sustained by nonlinear defects. <i>Optics Letters</i> , 2021, 46, 2216.	1.7	24
9	Quadratic fractional solitons. <i>Chaos, Solitons and Fractals</i> , 2022, 154, 111586.	2.5	23
10	Controllable propagation paths of gap solitons. <i>Optics Letters</i> , 2022, 47, 1041.	1.7	22
11	Fractional quantum couplers. <i>Chaos, Solitons and Fractals</i> , 2020, 140, 110271.	2.5	21
12	Families of gap solitons and their complexes in media with saturable nonlinearity and fractional diffraction. <i>Nonlinear Dynamics</i> , 2022, 108, 1671-1680.	2.7	21
13	Modulated solitons, soliton and vortex clusters in purely nonlinear defocusing media. <i>Annals of Physics</i> , 2020, 421, 168284.	1.0	19
14	Gaussian-like and flat-top solitons of atoms with spatially modulated repulsive interactions. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019, 36, 2278.	0.9	19
15	Transformation of multipole and vortex solitons in the nonlocal nonlinear fractional Schrödinger equation by means of Lévy-index management. <i>Chaos, Solitons and Fractals</i> , 2022, 157, 111995.	2.5	19
16	Bubbles and W-shaped solitons in Kerr media with fractional diffraction. <i>Nonlinear Dynamics</i> , 2021, 104, 4253-4264.	2.7	18
17	Flat-floor bubbles, dark solitons, and vortices stabilized by inhomogeneous nonlinear media. <i>Nonlinear Dynamics</i> , 2021, 106, 815-830.	2.7	11
18	Solitons in spin-orbit-coupled systems with fractional spatial derivatives. <i>Chaos, Solitons and Fractals</i> , 2021, 152, 111406.	2.5	11

#	ARTICLE	IF	CITATIONS
19	All-optical high spatial-temporal resolution photography with raster principle at 2 trillion frames per second. Optics Express, 2021, 29, 27298.	1.7	10
20	FISI: frequency domain integration sequential imaging at $1.26 \times 10^{13}$ frames per second and 108 lines per millimeter. Optics Express, 2022, 30, 27429.	1.7	7