Liangwei Zeng

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Quadratic fractional solitons. Chaos, Solitons and Fractals, 2022, 154, 111586. | 2.5 | 23 |
| 2 | Controllable propagation paths of gap solitons. Optics Letters, 2022, 47, 1041. | 1.7 | 22 |
| 3 | Families of gap solitons and their complexes in media with saturable nonlinearity and fractional diffraction. Nonlinear Dynamics, 2022, 108, 1671-1680. | 2.7 | 21 |
| 4 | Transformation of multipole and vortex solitons in the nonlocal nonlinear fractional Schrödinger equation by means of Lévy-index management. Chaos, Solitons and Fractals, 2022, 157, 111995. | 2.5 | 19 |
| 5 | FISI: frequency domain integration sequential imaging at 1.26×10 ¹³ frames per second and 108 lines per millimeter. Optics Express, 2022, 30, 27429. | 1.7 | 7 |
| 6 | Stable and oscillating solitons of \$\$pmb {mathcal {PT}}\$\$-symmetric couplers with gain and loss in fractional dimension. Nonlinear Dynamics, 2021, 103, 1831-1840. | 2.7 | 27 |
| 7 | Families of fundamental and multipole solitons in a cubic-quintic nonlinear lattice in fractional dimension. Chaos, Solitons and Fractals, 2021, 144, 110589. | 2.5 | 50 |
| 8 | Localized modes and dark solitons sustained by nonlinear defects. Optics Letters, 2021, 46, 2216. | 1.7 | 24 |
| 9 | Bubbles and W-shaped solitons in Kerr media with fractional diffraction. Nonlinear Dynamics, 2021, 104, 4253-4264. | 2.7 | 18 |
| 10 | All-optical high spatial-temporal resolution photography with raster principle at 2 trillion frames per second. Optics Express, 2021, 29, 27298. | 1.7 | 10 |
| 11 | Flat-floor bubbles, dark solitons, and vortices stabilized by inhomogeneous nonlinear media. Nonlinear Dynamics, 2021, 106, 815-830. | 2.7 | 11 |
| 12 | Solitons in spin-orbit-coupled systems with fractional spatial derivatives. Chaos, Solitons and Fractals, 2021, 152, 111406. | 2.5 | 11 |
| 13 | Fractional quantum couplers. Chaos, Solitons and Fractals, 2020, 140, 110271. | 2.5 | 21 |
| 14 | Modulated solitons, soliton and vortex clusters in purely nonlinear defocusing media. Annals of Physics, 2020, 421, 168284. | 1.0 | 19 |
| 15 | Preventing critical collapse of higher-order solitons by tailoring unconventional optical diffraction and nonlinearities. Communications Physics, 2020, 3, . | 2.0 | 64 |
| 16 | One-dimensional gap solitons in quintic and cubic–quintic fractional nonlinear Schrödinger equations with a periodically modulated linear potential. Nonlinear Dynamics, 2019, 98, 985-995. | 2.7 | 60 |
| 17 | Gap-type dark localized modes in a Bose–Einstein condensate with optical lattices. Advanced Photonics, 2019, 1, 1. | 6.2 | 54 |
| 18 | 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. | 0.9 | 19 |

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|----|--|-----|-----------|
| 19 | Purely Kerr nonlinear model admitting flat-top solitons. Optics Letters, 2019, 44, 1206. | 1.7 | 29 |
| 20 | One-dimensional solitons in fractional Schrödinger equation with a spatially periodical modulated nonlinearity: nonlinear lattice. Optics Letters, 2019, 44, 2661. | 1.7 | 66 |