

Boris A Malomed

List of Publications by Year in descending order

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723
papers

29,147
citations

5896

81
h-index

12597

132
g-index

724
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724
docs citations

724
times ranked

5584
citing authors

#	ARTICLE	IF	CITATIONS
1	New findings for the old problem: Exact solutions for domain walls in coupled real Ginzburg-Landau equations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2022, 422, 127802.	2.1	23
2	Quadratic fractional solitons. <i>Chaos, Solitons and Fractals</i> , 2022, 154, 111586.	5.1	23
3	Higher-dimensional soliton generation, stability and excitations of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e2083" altimg="si164.svg" \rangle \langle \text{mml:mi mathvariant="script" \rangle PT} \langle / \text{mml:mi} \rangle \langle / \text{mml:math} \rangle$ -symmetric nonlinear Schrödinger equations. <i>Physica D: Nonlinear Phenomena</i> , 2022, 430, 133099.	2.8	11
4	On-demand harnessing of photonic soliton molecules. <i>Optica</i> , 2022, 9, 240.	9.3	38
5	Interplay between Binary and Three-Body Interactions and Enhancement of Stability in Trapless Dipolar Bose-Einstein Condensates. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1135.	2.5	3
6	Fundamental and vortex dissipative quadratic solitons supported by spatially localized gain. <i>Physical Review A</i> , 2022, 105, .	2.5	8
7	Solitons in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e734" altimg="si158.svg" \rangle \langle \text{mml:mi mathvariant="script" \rangle PT} \langle / \text{mml:mi} \rangle \langle / \text{mml:math} \rangle$ -symmetric systems with spin-orbit coupling and critical nonlinearity. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2022, 109, 106282.	3.3	6
8	Localized Modes in Nonlinear Fractional Systems with Deep Lattices. <i>Advanced Theory and Simulations</i> , 2022, 5, .	2.8	9
9	Two-dimensional Airy waves and three-wave solitons in quadratic media. <i>Journal of Optics (United Kingdom)</i> , 2022, 22, 073001.	2.2	3
10	Exact Solutions for Solitary Waves in a Bose-Einstein Condensate under the Action of a Four-Color Optical Lattice. <i>Symmetry</i> , 2022, 14, 49.	2.2	11
11	Trapping wave fields in an expulsive potential by means of linear coupling. <i>Physical Review E</i> , 2022, 105, 034213.	2.1	2
12	Transformation of multipole and vortex solitons in the nonlocal nonlinear fractional Schrödinger equation by means of Levy-index management. <i>Chaos, Solitons and Fractals</i> , 2022, 157, 111995.	5.1	19
13	An effective equation for quasi-one-dimensional funnel-shaped Bose-Einstein condensates with embedded vorticity. <i>European Physical Journal: Special Topics</i> , 2022, 231, 283-295.	2.6	3
14	One- and two-dimensional solitons in spin-orbit-coupled Bose-Einstein condensates with fractional kinetic energy. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2022, 55, 155301.	1.5	7
15	Stability limits for modes held in alternating trapping-expulsive potentials. <i>Physical Review E</i> , 2022, 106, .	2.1	4
16	Propagation dynamics of abruptly autofocusing circular Airy Gaussian vortex beams in the fractional Schrödinger equation. <i>Chaos, Solitons and Fractals</i> , 2021, 142, 110470.	5.1	47
17	Symmetry breaking in a two-component system with repulsive interactions and linear coupling. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 92, 105496.	3.3	2
18	The family of quantum droplets keeps expanding. <i>Frontiers of Physics</i> , 2021, 16, 1.	5.0	23

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19	Breather stripes and radial breathers of the two-dimensional sine-Gordon equation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 94, 105596.	3.3	9
20	Spatiotemporal engineering of matter-wave solitons in Bose-Einstein condensates. <i>Physics Reports</i> , 2021, 899, 1-62.	25.6	73
21	Semidiscrete Vortex Solitons. <i>Advanced Photonics Research</i> , 2021, 2, 2000082.	3.6	11
22	A new form of liquid matter: Quantum droplets. <i>Frontiers of Physics</i> , 2021, 16, 1.	5.0	105
23	Nonlinear Dynamics of Wave Packets in Tunnel-Coupled Harmonic-Oscillator Traps. <i>Symmetry</i> , 2021, 13, 372.	2.2	6
24	Temporal cavity solitons in a laser-based microcomb: a path to a self-starting pulsed laser without saturable absorption. <i>Optics Express</i> , 2021, 29, 6629.	3.4	9
25	Families of fundamental and multipole solitons in a cubic-quintic nonlinear lattice in fractional dimension. <i>Chaos, Solitons and Fractals</i> , 2021, 144, 110589.	5.1	50
26	Modulational instability and soliton generation in chiral Bose-Einstein condensates with zero-energy nonlinearity. <i>Physical Review E</i> , 2021, 103, 032206.	2.1	27
27	Bubbles and W-shaped solitons in Kerr media with fractional diffraction. <i>Nonlinear Dynamics</i> , 2021, 104, 4253-4264.	5.2	18
28	A tribute to Marat Soskin. <i>Journal of Optics (United Kingdom)</i> , 2021, 23, 050201.	2.2	1
29	Dissipative structures in a parametrically driven dissipative lattice: Chimera, localized disorder, continuous-wave, and staggered states. <i>Chaos, Solitons and Fractals</i> , 2021, 146, 110880.	5.1	5
30	Singular and regular vortices on top of a background pulled to the center. <i>Journal of Optics (United Kingdom)</i> , 2021, 23, 050201.	2.2	1
31	Self-Starting Temporal Cavity Solitons in a Laser-based Microcomb. <i>Optics Express</i> , 2021, 29, 6629.		0
32	Rogue waves and lumps on the nonzero background in the asymmetric nonlocal Maccari system. <i>Studies in Applied Mathematics</i> , 2021, 147, 694-723.	2.4	18
33	Symmetry-breaking bifurcations and ghost states in the fractional nonlinear Schrödinger equation with a PT-symmetric potential. <i>Optics Letters</i> , 2021, 46, 3267.	3.3	29
34	Propagation dynamics of radially polarized symmetric Airy beams in the fractional Schrödinger equation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021, 404, 127403.	2.1	25
35	Flat-floor bubbles, dark solitons, and vortices stabilized by inhomogeneous nonlinear media. <i>Nonlinear Dynamics</i> , 2021, 106, 815-830.	5.2	11
36	Optical Solitons and Vortices in Fractional Media: A Mini-Review of Recent Results. <i>Photonics</i> , 2021, 8, 353.	2.0	72

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37	Fermi-Pasta-Ulam phenomena and persistent breathers in the harmonic trap. <i>Physical Review E</i> , 2021, 104, 034210.	2.1	8
38	A quasi-periodic route to chaos in a parametrically driven nonlinear medium. <i>Chaos, Solitons and Fractals</i> , 2021, 151, 111089.	5.1	3
39	Phase engineering of chirped rogue waves in Bose-Einstein condensates with a variable scattering length in an expulsive potential. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 103, 105983.	3.3	16
40	A Robust and Novel Linear Fiber Laser Mode-locked by Nonlinear Polarization Evolution in All-polarization-maintaining Fibers. <i>Journal of Lightwave Technology</i> , 2021, , 1-1.	4.6	9
41	Interplay of multiphoton absorption, Raman scattering, and third-order dispersion in soliton fiber lasers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, 342.	2.1	5
42	Spatiotemporal solitons in dispersion-managed multimode fibers. <i>Journal of Optics (United Kingdom)</i> , 2021, 23, 015501.	2.2	8
43	Past and Present Trends in the Development of the Pattern-Formation Theory: Domain Walls and Quasicrystals. <i>Physics</i> , 2021, 3, 1015-1045.	1.4	9
44	Josephson oscillations of edge quasi-solitons in a photonic-topological coupler. <i>Optics Letters</i> , 2021, 46, 6067.	3.3	6
45	Dragging spin-orbit-coupled solitons by a moving optical lattice. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2021, 54, 245301.	1.5	1
46	On modulated coupled systems. Canonical reduction via reciprocal transformations. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 83, 105091.	3.3	6
47	Soliton dynamics in a fractional complex Ginzburg-Landau model. <i>Chaos, Solitons and Fractals</i> , 2020, 131, 109471.	5.1	65
48	Nonlinear dynamics of Josephson vortices in merging superfluid rings. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 83, 105113.	3.3	10
49	Double-layer Bose-Einstein condensates: A quantum phase transition in the transverse direction, and reduction to two dimensions. <i>Physical Review E</i> , 2020, 102, 042209.	2.1	9
50	Suppression of the quasi-two-dimensional quantum collapse in the attraction field by the Lee-Huang-Yang effect. <i>Physical Review A</i> , 2020, 101, .	2.5	25
51	Shortcuts to adiabaticity for an interacting Bose-Einstein condensate via exact solutions of the generalized Ermakov equation. <i>Chaos</i> , 2020, 30, 053131.	2.5	11
52	Stabilization of single- and multi-peak solitons in the fractional nonlinear Schrödinger equation with a trapping potential. <i>Chaos, Solitons and Fractals</i> , 2020, 140, 110222.	5.1	48
53	Quantum Fluctuations of the Center of Mass and Relative Parameters of Nonlinear Schrödinger Breathers. <i>Physical Review Letters</i> , 2020, 125, 050405.	7.8	21
54	Stabilization of one-dimensional Townes solitons by spin-orbit coupling in a dual-core system. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 91, 105412.	3.3	8

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55	Creation and Characterization of Matter-Wave Breathers. <i>Physical Review Letters</i> , 2020, 125, 183902.	7.8	37
56	Rotating azimuthons in dissipative Kerr media excited by superpositions of Bessel beams. <i>Physical Review A</i> , 2020, 102, .	2.5	8
57	Observation and analysis of creation, decay, and regeneration of annular soliton clusters in a lossy cubic-quintic optical medium. <i>Physical Review A</i> , 2020, 102, .	2.5	11
58	Emulation of spin-orbit coupling for solitons in nonlinear optical media. <i>Physical Review A</i> , 2020, 101, .	2.5	7
59	Holding and transferring matter-wave solitons against gravity by spin-orbit-coupling tweezers. <i>New Journal of Physics</i> , 2020, 22, 043004.	2.9	6
60	Vortex solitons in fractional nonlinear Schrödinger equation with the cubic-quintic nonlinearity. <i>Chaos, Solitons and Fractals</i> , 2020, 137, 109783.	5.1	63
61	Collective excitations of a one-dimensional quantum droplet. <i>Physical Review A</i> , 2020, 101, .	2.5	69
62	Singular Mean-Field States: A Brief Review of Recent Results. <i>Condensed Matter</i> , 2020, 5, 20.	1.8	14
63	Gap and embedded solitons in microwave-coupled binary condensates. <i>Physical Review A</i> , 2020, 101, .	2.5	9
64	Modulational Instability, Inter-Component Asymmetry, and Formation of Quantum Droplets in One-Dimensional Binary Bose Gases. <i>Symmetry</i> , 2020, 12, 174.	2.2	52
65	Mechanisms of spatiotemporal mode-locking. <i>Nature Physics</i> , 2020, 16, 565-570.	16.7	112
66	Symmetry breaking of spatial Kerr solitons in fractional dimension. <i>Chaos, Solitons and Fractals</i> , 2020, 132, 109602.	5.1	47
67	Singular solitons. <i>Physical Review E</i> , 2020, 101, 012211.	2.1	29
68	Splitting of two-component solitary waves from collisions with narrow potential barriers. <i>Physical Review A</i> , 2020, 101, .	2.5	7
69	Unstaggered-staggered solitons on one- and two-dimensional two-component discrete nonlinear Schrödinger lattices. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 85, 105244.	3.3	3
70	Persistent current formation in double-ring geometries. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 115301.	1.5	13
71	Nonlinearity and Discreteness: Solitons in Lattices. <i>Advances in Dynamics, Patterns, Cognition</i> , 2020, , 81-110.	0.3	9
72	Stable two-dimensional soliton complexes in Bose-Einstein condensates with helicoidal spin-orbit coupling. <i>New Journal of Physics</i> , 2020, 22, 103014.	2.9	12

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73	Multidimensional hybrid Bose-Einstein condensates stabilized by lower-dimensional spin-orbit coupling. <i>Physical Review Research</i> , 2020, 2, .	3.6	18
74	Gross-Pitaevskii-Poisson model for an ultracold plasma: Density waves and solitons. <i>Physical Review Research</i> , 2020, 2, .	3.6	3
75	Josephson oscillations of chirality and identity in two-dimensional solitons in spin-orbit-coupled condensates. <i>Physical Review Research</i> , 2020, 2, .	3.6	8
76	Structured heterosymmetric quantum droplets. <i>Physical Review Research</i> , 2020, 2, .	3.6	16
77	Metastable soliton necklaces supported by fractional diffraction and competing nonlinearities. <i>Optics Express</i> , 2020, 28, 34472.	3.4	39
78	Tunable nonlinear spectra of anti-directional couplers. <i>Optics Letters</i> , 2020, 45, 1918.	3.3	5
79	Reversible ultrafast soliton switching in dual-core highly nonlinear optical fibers. <i>Optics Letters</i> , 2020, 45, 5221.	3.3	20
80	Acoustic analog of Hawking radiation in quantized circular superflows of Bose-Einstein condensates. <i>Physical Review Research</i> , 2020, 2, .	3.6	4
81	Localized modes in the Gross-Pitaevskii equation with a parabolic trapping potential and a nonlinear lattice pseudopotential. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019, 66, 194-207.	3.3	7
82	Stability band structure for periodic states in periodic potentials. <i>Applied Numerical Mathematics</i> , 2019, 141, 44-53.	2.1	1
83	Dynamical control of solitons in a parity-time-symmetric coupler by periodic management. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019, 79, 104906.	3.3	5
84	Tunneling of persistent currents in coupled ring-shaped Bose-Einstein condensates. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2019, 52, 225301.	1.5	14
85	Quasi-one-dimensional approximation for Bose-Einstein condensates transversely trapped by a funnel potential. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2019, 52, 245301.	1.5	6
86	Creating oscillons and oscillating kinks in two scalar field theories. <i>Chaos</i> , 2019, 29, 103124.	2.5	2
87	Universal quantum computing with parafermions assisted by a half-fluxon. <i>Physical Review B</i> , 2019, 100, .	3.2	8
88	Symmetry Breaking in Interacting Ring-Shaped Superflows of Bose-Einstein Condensates. <i>Symmetry</i> , 2019, 11, 1312.	2.2	12
89	Immiscible and miscible states in binary condensates in the ring geometry. <i>New Journal of Physics</i> , 2019, 21, 073058.	2.9	15
90	Semidiscrete Quantum Droplets and Vortices. <i>Physical Review Letters</i> , 2019, 123, 133901.	7.8	55

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91	Splitting of nonlinear-Schrödinger-equation breathers by linear and nonlinear localized potentials. Physical Review A, 2019, 99, .	2.5	17
92	(INVITED) Vortex solitons: Old results and new perspectives. Physica D: Nonlinear Phenomena, 2019, 399, 108-137.	2.8	117
93	Generation of stable multi-vortex clusters in a dissipative medium with anti-cubic nonlinearity. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 2579-2583.	2.1	53
94	Nonlinear Management of Topological Solitons in a Spin-Orbit-Coupled System. Symmetry, 2019, 11, 388.	2.2	6
95	Hybrid matter-wave - microwave solitons on the lattice. Communications in Nonlinear Science and Numerical Simulation, 2019, 77, 168-180.	3.3	0
96	Attraction centers and parity-time-symmetric delta-functional dipoles in critical and supercritical self-focusing media. Physical Review E, 2019, 99, 052206.	2.1	19
97	Metastability of Quantum Droplet Clusters. Physical Review Letters, 2019, 122, 193902.	7.8	64
98	Symmetry breaking of quantum droplets in a dual-core trap. Physical Review A, 2019, 99, .	2.5	37
99	Dynamics and stabilization of bright soliton stripes in the hyperbolic-dispersion nonlinear Schrödinger equation. Communications in Nonlinear Science and Numerical Simulation, 2019, 74, 268-281.	3.3	8
100	Two-dimensional composite solitons in Bose-Einstein condensates with spatially confined spin-orbit coupling. Communications in Nonlinear Science and Numerical Simulation, 2019, 73, 481-489.	3.3	17
101	Robust $\mathbb{P}\mathbb{T}$ symmetry of two-dimensional fundamental and vortex solitons supported by spatially modulated nonlinearity. Scientific Reports, 2019, 9, 4483.	3.3	14
102	The Variational Reduction for Low-Dimensional Fermi Gases and Bose-Fermi Mixtures: A Brief Review. Condensed Matter, 2019, 4, 22.	1.8	1
103	Frontiers in multidimensional self-trapping of nonlinear fields and matter. Nature Reviews Physics, 2019, 1, 185-197.	26.6	255
104	Interactions of solitons with positive and negative masses: Shuttle motion and coacceleration. Physical Review E, 2019, 99, 022216.	2.1	15
105	Rise and Fall of a Bright Soliton in an Optical Lattice. Physical Review Letters, 2019, 122, 053001.	7.8	14
106	Tail-free self-accelerating solitons and vortices. Physical Review A, 2019, 99, .	2.5	13
107	Kapitza Pendulum Effect with Overclocked Raman Comb Solitons in a Microring Resonator. , 2019, , .		0
108	Solitary waves in the Ablowitz-Ladik equation with power-law nonlinearity. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 065202.	2.1	5

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109	Rabi-coupling-driven motion of a soliton in a Bose-Einstein condensate. <i>Physical Review A</i> , 2019, 99, .	2.5	8
110	Two-dimensional composite solitons in a spin-orbit-coupled fermi gas in free space. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019, 70, 372-383.	3.3	7
111	One-soliton shaping and two-soliton interaction in the fifth-order variable-coefficient nonlinear Schrödinger equation. <i>Nonlinear Dynamics</i> , 2019, 95, 369-380.	5.2	90
112	Observation of incoherently coupled dark-bright vector solitons in single-mode fibers. <i>Optics Express</i> , 2019, 27, 18311.	3.4	19
113	Asymptotic dynamics of three-dimensional bipolar ultrashort electromagnetic pulses in an array of semiconductor carbon nanotubes. <i>Optics Express</i> , 2019, 27, 27592.	3.4	10
114	Self-interaction of ultrashort pulses in an epsilon-near-zero nonlinear material at the telecom wavelength. <i>Optics Express</i> , 2019, 27, 37298.	3.4	27
115	Spatiotemporal dissipative solitons and vortices in a multi-transverse-mode fiber laser. <i>Optics Express</i> , 2019, 27, 37364.	3.4	39
116	Purely Kerr nonlinear model admitting flat-top solitons. <i>Optics Letters</i> , 2019, 44, 1206.	3.3	29
117	Nonlinear anti-directional couplers with gain and loss. <i>Optics Letters</i> , 2019, 44, 4650.	3.3	13
118	A Variety of Dynamical Settings in Dual-Core Nonlinear Fibers. , 2019, , 421-474.		1
119	Stabilization of the Peregrine soliton and Kuznetsovâ€œMa breathers by means of nonlinearity and dispersion management. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018, 382, 968-972.	2.1	14
120	Weyl solitons in three-dimensional optical lattices. <i>Physical Review A</i> , 2018, 97, .	2.5	11
121	A Variety of Dynamical Settings in Dual-Core Nonlinear Fibers. , 2018, , 1-54.		3
122	Propagation of three-dimensional bipolar ultrashort electromagnetic pulses in an inhomogeneous array of carbon nanotubes. <i>Physical Review A</i> , 2018, 97, .	2.5	11
123	Excited states of two-dimensional solitons supported by spin-orbit coupling and field-induced dipole-dipole repulsion. <i>Physical Review A</i> , 2018, 97, .	2.5	20
124	One- and two-dimensional gap solitons in spin-orbit-coupled systems with Zeeman splitting. <i>Physical Review A</i> , 2018, 97, .	2.5	49
125	Stability of solitons in time-modulated two-dimensional lattices. <i>Nonlinear Dynamics</i> , 2018, 91, 1733-1753.	5.2	0
126	Multi-soliton states under triangular spatial modulation of the quadratic nonlinearity. <i>European Physical Journal: Special Topics</i> , 2018, 227, 533-549.	2.6	5

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127	Soliton oscillations in the Zakharov-type system at arbitrary nonlinearity-dispersion ratio. Chaos, Solitons and Fractals, 2018, 117, 264-268.	5.1	0
128	Ring modes supported by concentrated cubic nonlinearity. Physical Review E, 2018, 98, .	2.1	3
129	Non-integrable dynamics of matter-wave solitons in a density-dependent gauge theory. New Journal of Physics, 2018, 20, 043004.	2.9	22
130	Solitons in a chain of charge-parity-symmetric dimers. Physical Review A, 2018, 98, .	2.5	7
131	Making the P T \mathbb{PT} Symmetry Unbreakable. Springer Tracts in Modern Physics, 2018, , 443-464.	0.1	3
132	Two-dimensional vortex quantum droplets. Physical Review A, 2018, 98, .	2.5	108
133	Generation of multivortex ring beams by inhomogeneous effective diffusion. Chaos, Solitons and Fractals, 2018, 117, 30-36.	5.1	2
134	Vortex modes supported by spin-orbit coupling in a laser with saturable absorption. New Journal of Physics, 2018, 20, 113019.	2.9	11
135	Probing quasi-integrability of the Gross-Pitaevskii equation in a harmonic-oscillator potential. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 205303.	1.5	17
136	Symmetry breaking in competing single-well linear-nonlinear potentials. Physical Review E, 2018, 98, .	2.1	5
137	Influence of pseudo-stimulated-Raman-scattering on the modulational instability in an inhomogeneous nonlinear medium. European Physical Journal: Special Topics, 2018, 227, 551-561.	2.6	7
138	Generation of ring-shaped optical vortices in dissipative media by inhomogeneous effective diffusion. Nonlinear Dynamics, 2018, 93, 2159-2168.	5.2	4
139	On Madelung systems in nonlinear optics: A reciprocal invariance. Journal of Mathematical Physics, 2018, 59, 051506.	1.1	10
140	Interactions of three-dimensional solitons in the cubic-quintic model. Chaos, 2018, 28, 063121.	2.5	7
141	Creating solitons by means of spin-orbit coupling. Europhysics Letters, 2018, 122, 36001.	2.0	44
142	Dynamics of one-dimensional quantum droplets. Physical Review A, 2018, 98, .	2.5	170
143	Surface modes in plasmonic Bragg fibers with negative average permittivity. Optics Express, 2018, 26, 2559.	3.4	15
144	Numerical realization of the variational method for generating self-trapped beams. Optics Express, 2018, 26, 7451.	3.4	10

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163	Gap solitons in Rabi lattices. <i>Physical Review E</i> , 2017, 95, 032217.	2.1	7
164	Magic tilt angle for stabilizing two-dimensional solitons by dipole-dipole interactions. <i>Physical Review A</i> , 2017, 96, .	2.5	12
165	Anisotropic semivortices in dipolar spinor condensates controlled by Zeeman splitting. <i>Physical Review A</i> , 2017, 96, .	2.5	26
166	Flipping-shuttle oscillations of bright one- and two-dimensional solitons in spin-orbit-coupled Bose-Einstein condensates with Rabi mixing. <i>Physical Review A</i> , 2017, 96, .	2.5	22
167	Spontaneous symmetry breaking of fundamental states, vortices, and dipoles in two- and one-dimensional linearly coupled traps with cubic self-attraction. <i>Physical Review A</i> , 2017, 96, .	2.5	19
168	Families of stable solitons and excitations in the PT-symmetric nonlinear Schrödinger equations with position-dependent effective masses. <i>Scientific Reports</i> , 2017, 7, 1257.	3.3	43
169	Dissociation of One-Dimensional Matter-Wave Breathers due to Quantum Many-Body Effects. <i>Physical Review Letters</i> , 2017, 119, 220401.	7.8	24
170	Models of spin-orbit-coupled oligomers. <i>Chaos</i> , 2017, 27, 113102.	2.5	4
171	Spin-orbit coupling and nonlinear modes of the polariton condensate in a harmonic trap. <i>New Journal of Physics</i> , 2017, 19, 085003.	2.9	10
172	Dipolar bright solitons and solitary vortices in a radial lattice. <i>Physical Review A</i> , 2017, 96, .	2.5	14
173	Solitons of the coupled Schrödinger-Korteweg-de Vries system with arbitrary strengths of the nonlinearity and dispersion. <i>Chaos</i> , 2017, 27, 113107.	2.5	7
174	The interaction of Airy waves and solitons in a three-wave system. <i>Journal of Optics (United Kingdom)</i> , 2017, 19, 085501.	2.2	12
175	Zero-dimensional limit of the two-dimensional Lugiato-Lefever equation. <i>European Physical Journal D</i> , 2017, 71, 1.	1.3	5
176	Single and double linear and nonlinear flatband chains: Spectra and modes. <i>Physical Review E</i> , 2017, 96, 012204.	2.1	12
177	Localized dark solitons and vortices in defocusing media with spatially inhomogeneous nonlinearity. <i>Physical Review E</i> , 2017, 95, 052214.	2.1	28
178	Effects of the third-order dispersion on continuous waves in complex potentials. <i>European Physical Journal D</i> , 2017, 71, 1.	1.3	6
179	Two-dimensional dipolar gap solitons in free space with spin-orbit coupling. <i>Physical Review A</i> , 2017, 95, .	2.5	60
180	Localized solutions of Lugiato-Lefever equations with focused pump. <i>Scientific Reports</i> , 2017, 7, 16876.	3.3	14

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181	Two-dimensional solitons and quantum droplets supported by competing self- and cross-interactions in spin-orbit-coupled condensates. <i>New Journal of Physics</i> , 2017, 19, 113043.	2.9	96
182	Vortex lattices in binary Bose-Einstein condensates with dipole-dipole interactions. <i>Physical Review A</i> , 2017, 96, .	2.5	33
183	Exact states in waveguides with periodically modulated nonlinearity. <i>Europhysics Letters</i> , 2017, 119, 54002.	2.0	2
184	Modulational Instability in Linearly Coupled Asymmetric Dual-Core Fibers. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 645.	2.5	22
185	Editorial: Guided-Wave Optics. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 962.	2.5	3
186	Solitons supported by singular modulation of the cubic nonlinearity. <i>Optics Express</i> , 2017, 25, 12967.	3.4	4
187	Dissipative soliton fiber lasers with higher-order nonlinearity, multiphoton absorption and emission, and random dispersion. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2017, 34, 850.	2.1	12
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