Boris A Malomed

List of Publications by Year
in descending order

723 papers	29,147 citations	5896 81 h-index	12597 132 g-index
724 all docs	724 docs citations	724 times ranked	5584 citing authors

#	Article	IF	Citations
1	Dynamics of solitons in nearly integrable systems. Reviews of Modern Physics, 1989, 61, 763-915.	45.6	1,529
2	Spatiotemporal optical solitons. Journal of Optics B: Quantum and Semiclassical Optics, 2005, 7, R53-R72.	1.4	765
3	Solitons in nonlinear lattices. Reviews of Modern Physics, 2011, 83, 247-305.	45.6	740
4	Bound solitons in the nonlinear SchrÃ¶dingerâ€“Ginzburg-Landau equation. Physical Review A, 1991, 44, 6954-6957.	2.5	379
5	Controlling collapse in Bose-Einstein condensates by temporal modulation of the scattering length. Physical Review A, 2003, 67, .	2.5	329
6	Variational methods in nonlinear fiber optics and related fields. Progress in Optics, 2002, , 71-193.	0.6	304
7	Non-standard Hubbard models in optical lattices: a review. Reports on Progress in Physics, 2015, 78, 066001.	20.1	284
8	Multidimensional solitons in periodic potentials. Europhysics Letters, 2003, 63, 642-648.	2.0	262
9	Stability of solitons in parity-time-symmetric couplers. Optics Letters, 2011, 36, 4323.	3.3	256
10	Frontiers in multidimensional self-trapping of nonlinear fields and matter. Nature Reviews Physics, 2019, 1, 185-197.	26.6	255
11	Feshbach Resonance Management for Bose-Einstein Condensates. Physical Review Letters, 2003, 90, 230401.	7.8	246
12	Discrete vortex solitons. Physical Review E, 2001, 64, 026601.	2.1	235
13	Stable (2+1)-dimensional solitons in a layered medium with sign-alternating Kerr nonlinearity. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 537.	2.1	229
14	Collisions of matter-wave solitons. Nature Physics, 2014, 10, 918-922.	16.7	223
15	Stable Spinning Optical Solitons in Three Dimensions. Physical Review Letters, 2002, 88, 073902.	7.8	208
16	Structure of binary Bose-Einstein condensates. Journal of Physics B: Atomic, Molecular and Optical Physics, 2000, 33, 4017-4031.	1.5	201
17	Creation of two-dimensional composite solitons in spin-orbit-coupled self-attractive Bose-Einstein condensates in free space. Physical Review E, 2014, 89, 032920.	2.1	195
18	Exact soliton solutions and nonlinear modulation instability in spinor Bose-Einstein condensates. Physical Review A, 2005, 72, .	2.5	194

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19	Anisotropic Solitons in Dipolar Bose-Einstein Condensates. Physical Review Letters, 2008, 100, 090406.	7.8	189
20	Nonlinearly<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="script">PT</mml:mi></mml:math>-symmetric systems: Spontaneous symmetry breaking and transmission resonances. Physical Review A, 2011, 84, .	2.5	183
21	Solitons in combined linear and nonlinear lattice potentials. Physical Review A, 2010, 81, .	2.5	177
22	Matter-wave solitons in nonlinear optical lattices. Physical Review E, 2005, 72, 046610.	2.1	172
23	Kinks and solitons in the generalized Ginzburg-Landau equation. Physical Review A, 1990, 42, 6009-6014.	2.5	170
24	Dynamics of one-dimensional quantum droplets. Physical Review A, 2018, 98, .	2.5	170
25	Multidimensional solitons in a low-dimensional periodic potential. Physical Review A, 2004, 70, .	2.5	165
26	Domain boundaries in convection patterns. Physical Review A, 1990, 42, 7244-7263.	2.5	156
27	Spatiotemporal solitons in multidimensional optical media with a quadratic nonlinearity. Physical Review E, 1997, 56, 4725-4735.	2.1	149
28	Symmetric and asymmetric solitons in twin-core nonlinear optical fibers. Physical Review E, 1996, 53, 4084-4091.	2.1	144
29	Fluxon dynamics in one-dimensional Josephson-junction arrays. Physical Review B, 1993, 47, 8357-8360.	3.2	140
30	Stable Vortex Tori in the Three-Dimensional Cubic-Quintic Ginzburg-Landau Equation. Physical Review Letters, 2006, 97, 073904.	7.8	139
31	Soliton switching and propagation in nonlinear fiber couplers: analytical results. Journal of the Optical Society of America B: Optical Physics, 1993, 10, 1379.	2.1	138
32	Evolution of nonsoliton and â€œquasi-classicalâ€•wavetrains in nonlinear SchrÃ¶dinger and Korteweg-de Vries equations with dissipative perturbations. Physica D: Nonlinear Phenomena, 1987, 29, 155-172.	2.8	135
33	Bright-dark soliton complexes in spinor Bose-Einstein condensates. Physical Review A, 2008, 77, .	2.5	133
34	Three-dimensional spinning solitons in dispersive media with the cubic-quintic nonlinearity. Physical Review E, 2000, 61, 3107-3113.	2.1	132
35	Stable Solitons in Three Dimensional Free Space without the Ground State: Self-Trapped Bose-Einstein Condensates with Spin-Orbit Coupling. Physical Review Letters, 2015, 115, 253902.	7.8	132
36	Stable vortex solitons in the two-dimensional Ginzburg-Landau equation. Physical Review E, 2000, 63, 016605.	2.1	123

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37	Soliton dynamics in the discrete nonlinear SchrÃ¶dinger equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 220, 91-96.	2.1	122
38	Deviation from one dimensionality in stationary properties and collisional dynamics of matter-wave solitons. Physical Review A, 2006, 74, .	2.5	118
39	(INVITED) Vortex solitons: Old results and new perspectives. Physica D: Nonlinear Phenomena, 2019, 399, 108-137.	2.8	117
40	Vibration modes of a gap soliton in a nonlinear optical medium. Physical Review E, 1994, 49, 5787-5796.	2.1	113
41	Necklacelike Solitons in Optically Induced Photonic Lattices. Physical Review Letters, 2005, 94, 113902.	7.8	112
42	Mechanisms of spatiotemporal mode-locking. Nature Physics, 2020, 16, 565-570.	16.7	112
43	Stability of bound states of pulses in the Ginzburg-Landau equations. Physical Review E, 1997, 56, 6020-6025.	2.1	111
44	Solitary waves in coupled nonlinear waveguides with Bragg gratings. Journal of the Optical Society of America B: Optical Physics, 1998, 15, 1685.	2.1	110
45	Families of Bragg-grating solitons in a cubicâ€“quintic medium. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 284, 247-252.	2.1	110
46	Spontaneous symmetry breaking in a nonlinear double-well structure. Physical Review A, 2008, 78, .	2.5	110
47	Bright solitons from defocusing nonlinearities. Physical Review E, 2011, 84, 035602.	2.1	109
48	Stable Spatiotemporal Solitons in Bessel Optical Lattices. Physical Review Letters, 2005, 95, 023902.	7.8	108
49	Two-dimensional vortex quantum droplets. Physical Review A, 2018, 98, .	2.5	108
50	Bound states of envelope solitons. Physical Review E, 1993, 47, 2874-2880.	2.1	107
51	Vortex stability in nearly-two-dimensional Bose-Einstein condensates with attraction. Physical Review A, 2006, 73, .	2.5	106
52	Spontaneous symmetry breaking in photonic lattices: Theory and experiment. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 340, 275-280.	2.1	105
53	Fully Three Dimensional Breather Solitons Can Be Created Using Feshbach Resonances. Physical Review Letters, 2005, 95, 050403.	7.8	105
54	A new form of liquid matter: Quantum droplets. Frontiers of Physics, 2021, 16, 1.	5.0	105

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55	Soliton trapping and daughter waves in the Manakov model. Physical Review A, 1993, 48, 599-604.	2.5	104
56	Stable solitons in two-component active systems. Physical Review E, 1996, 53, 5365-5368.	2.1	104
57	Localized modes in dense repulsive and attractive Bose-Einstein condensates with spin-orbit and Rabi couplings. Physical Review A, 2013, 87, .	2.5	104
58	Embedded solitons: solitary waves in resonance with the linear spectrum. Physica D: Nonlinear Phenomena, 2001, 152-153, 340-354.	2.8	103
59	Inversion and tight focusing of Airy pulses under the action of third-order dispersion. Optics Letters, 2013, 38, 2499.	3.3	103
60	Bound solitons in coupled nonlinear SchrÃ¶dinger equations. Physical Review A, 1992, 45, R8321-R8323.	2.5	101
61	Multidimensional solitons: Well-established results and novel findings. European Physical Journal: Special Topics, 2016, 225, 2507-2532.	2.6	100
62	Families of matter-waves in two-component Bose-Einstein condensates. European Physical Journal D, 2004, 28, 181-185.	1.3	99
63	Solitons in a chain of parity-time-invariant dimers. Physical Review E, 2011, 84, 046609.	2.1	99
64	Stable dark solitons in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="script">PT</mml:mi></mml:math>-symmetric dual-core waveguides. Physical Review A, 2013, 87, .	2.5	99
65	Dynamics of fluxons in a system of coupled Josephson junctions. Physical Review B, 1988, 37, 9325-9330.	3.2	98
66	On multidimensional solitons and their legacy in contemporary Atomic, Molecular and Optical physics. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 170502.	1.5	97
67	Stability of vortex solitons in the cubic-quintic model. Physica D: Nonlinear Phenomena, 2002, 161, 187-201.	2.8	96
68	Vortex solitons in two-dimensional spin-orbit coupled Bose-Einstein condensates: Effects of the Rashba-Dresselhaus coupling and Zeeman splitting. Physical Review E, 2016, 94, 032202.	2.1	96
69	Two-dimensional solitons and quantum droplets supported by competing self- and cross-interactions in spin-orbit-coupled condensates. New Journal of Physics, 2017, 19, 113043.	2.9	96
70	Spatiotemporal accessible solitons in fractional dimensions. Physical Review E, 2016, 94, 012216.	2.1	95
71	Three-dimensional droplets of swirling superfluids. Physical Review A, 2018, 98, .	2.5	94
72	Pulse switching in nonlinear fiber directional couplers. Physical Review E, 1995, 51, 2527-2537.	2.1	93

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73	Solitons in quasi-one-dimensional Bose-Einstein condensates with competing dipolar and local interactions. Physical Review A, 2009, 79, .	2.5	93
74	Self-steepening of ultrashort optical pulses without self-phase-modulation. Physical Review A, 2007, 76, .	2.5	91
75	Stability and interactions of solitons in two-component active systems. Physical Review E, 1996, 54, 4371-4374.	2.1	90
76	One-soliton shaping and two-soliton interaction in the fifth-order variable-coefficient nonlinear SchrÃ¶dinger equation. Nonlinear Dynamics, 2019, 95, 369-380.	5.2	90
77	Vector solitons in nearly one-dimensional Bose-Einstein condensates. Physical Review A, 2006, 74, .	2.5	88
78	Soliton collisions in the discrete nonlinear SchrÃ¶dinger equation. Physical Review E, 2003, 68, 046604.	2.1	87
79	Varieties of Stable Vortical Solitons in Ginzburg-Landau Media with Radially Inhomogeneous Losses. Physical Review Letters, 2010, 105, 213901.	7.8	86
80	Dynamics of positive- and negative-mass solitons in optical lattices and inverted traps. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, 1443-1459.	1.5	85
81	Two-dimensional solitons in the Gross-Pitaevskii equation with spatially modulated nonlinearity. Physical Review E, 2006, 73, 026601.	2.1	84
82	Spontaneous symmetry breaking of solitons trapped in a double-channel potential. Physical Review A, 2007, 75, .	2.5	84
83	Potential of interaction between two- and three-dimensional solitons. Physical Review E, 1998, 58, 7928-7933.	2.1	83
84	Two-dimensional solitons in nonlinear lattices. Optics Letters, 2009, 34, 770.	3.3	83
85	Algebraic bright and vortex solitons in defocusing media. Optics Letters, 2011, 36, 3088.	3.3	82
86	Localized modes in quasi-two-dimensional Bose-Einstein condensates with spin-orbit and Rabi couplings. Physical Review A, 2014, 90, .	2.5	82
87	Transition to miscibility in a binary Boseâ€“Einstein condensate induced by linear coupling. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 877-892.	1.5	81
88	Twisted Toroidal Vortex Solitons in Inhomogeneous Media with Repulsive Nonlinearity. Physical Review Letters, 2014, 113, 264101.	7.8	81
89	Three-dimensional spatiotemporal optical solitons in nonlocal nonlinear media. Physical Review E, 2006, 73, 025601.	2.1	80
90	Optical Solitons in Media with a Quadratic Nonlinearity. Progress in Optics, 2000, 41, 483-568.	0.6	78

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91	Matter-wave solitons in radially periodic potentials. Physical Review E, 2006, 74, 066615.	2.1	78
92	Stability of dissipative optical solitons in the three-dimensional cubic-quintic Ginzburg-Landau equation. Physical Review A, 2007, 75, .	2.5	77
93	Standing and Moving Gap Solitons in Resonantly Absorbing Gratings. Physical Review Letters, 1998, 81, 3647-3650.	7.8	76
94	Stability boundary and collisions of two-dimensional solitons in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="script">PT</mml:mi></mml:math>-symmetric couplers with the cubic-quintic nonlinearity. Physical Review E, 2013, 88, 062904.	2.1	76
95	Stable three-dimensional spinning optical solitons supported by competing quadratic and cubic nonlinearities. Physical Review E, 2002, 66, 016613.	2.1	75
96	Higher-order vortex solitons, multipoles, and supervortices on a square optical lattice. Europhysics Letters, 2005, 72, 698-704.	2.0	75
97	Spatiotemporal engineering of matter-wave solitons in Boseâ€“Einstein condensates. Physics Reports, 2021, 899, 1-62.	25.6	73
98	Formation of a standing-light pulse through collision of gap solitons. Physical Review E, 2003, 68, 026609.	2.1	72
99	Stability of dark solitons in a Bose-Einstein condensate trapped in an optical lattice. Physical Review A, 2003, 68, .	2.5	72
100	Vortex solitons in dipolar Bose-Einstein condensates. Physical Review A, 2008, 78, .	2.5	72
101	Soliton Gyroscopes in Media with Spatially Growing Repulsive Nonlinearity. Physical Review Letters, 2014, 112, 020404.	7.8	72
102	Optical Solitons and Vortices in Fractional Media: A Mini-Review of Recent Results. Photonics, 2021, 8, 353.	2.0	72
103	Two-dimensional loosely and tightly bound solitons in optical lattices and inverted traps. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, 2225-2239.	1.5	71
104	Exact stable pulses in asymmetric linearly coupled Ginzburg-Landau equations. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 246, 412-422.	2.1	70
105	Instabilities, solitons and rogue waves in ??-coupled nonlinear waveguides. Journal of Optics (United) Tj ETQq1 1 0.784314 rgBT /Over	2.2	70
106	Transitions between symmetric and asymmetric solitons in dual-core systems with cubicâ€“quintic nonlinearity. Mathematics and Computers in Simulation, 2007, 74, 312-322.	4.4	69
107	Higher-order vector discrete rogue-wave states in the coupled Ablowitz-Ladik equations: Exact solutions and stability. Chaos, 2016, 26, 123110.	2.5	69
108	Collective excitations of a one-dimensional quantum droplet. Physical Review A, 2020, 101, .	2.5	69

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109	Modulational instability of a wave scattered by a nonlinear center. Physical Review B, 1993, 47, 10402-10406.	3.2	68
110	Intrinsic localized modes in parametrically driven arrays of nonlinear resonators. Physical Review E, 2009, 80, 046202.	2.1	68
111	Stabilization of solitons in PT models with supersymmetry by periodic management. Europhysics Letters, 2011, 96, 51001.	2.0	68
112	Analytical solution to soliton switching in nonlinear twin-core fibers. Optics Letters, 1993, 18, 328.	3.3	66
113	Solitary pulses in linearly coupled Ginzburg-Landau equations. Chaos, 2007, 17, 037117.	2.5	66
114	Rogue waves, rational solitons, and modulational instability in an integrable fifth-order nonlinear SchrÃ¶dinger equation. Chaos, 2015, 25, 103112.	2.5	66
115	Soliton dynamics in a fractional complex Ginzburg-Landau model. Chaos, Solitons and Fractals, 2020, 131, 109471.	5.1	65
116	Metastability of Quantum Droplet Clusters. Physical Review Letters, 2019, 122, 193902.	7.8	64
117	Stable localized vortex solitons. Physical Review E, 2001, 63, 055601.	2.1	63
118	Symmetric and asymmetric solitons in linearly coupled Bose-Einstein condensates trapped in optical lattices. Physical Review A, 2007, 75, .	2.5	63
119	Two-dimensional solitons in dipolar Bose-Einstein condensates with spin-orbit coupling. Physical Review A, 2016, 93, .	2.5	63
120	Vortex solitons in fractional nonlinear SchrÃ¶dinger equation with the cubic-quintic nonlinearity. Chaos, Solitons and Fractals, 2020, 137, 109783.	5.1	63
121	Spatial solitons supported by localized gain in nonlinear optical waveguides. European Physical Journal: Special Topics, 2009, 173, 233-243.	2.6	62
122	Stable spatial plasmon solitons in a dielectric-metal-dielectric geometry with gain and loss. Optics Express, 2011, 19, 6616.	3.4	62
123	Stable higher-order vortices and quasivortices in the discrete nonlinear SchrÃ¶dinger equation. Physical Review E, 2004, 70, 056612.	2.1	61
124	Multipole-mode solitons in Bessel optical lattices. Optics Express, 2005, 13, 10703.	3.4	61
125	Stability limits for gap solitons in a Bose-Einstein condensate trapped in a time-modulated optical lattice. Physical Review A, 2006, 74, .	2.5	60
126	Two-dimensional dipolar gap solitons in free space with spin-orbit coupling. Physical Review A, 2017, 95, .	2.5	60

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127	Exact solutions of the Gross-Pitaevskii equation for stable vortex modes in two-dimensional Bose-Einstein condensates. Physical Review A, 2010, 81, .	2.5	59
128	Bright solitons in the one-dimensional discrete Gross-Pitaevskii equation with dipole-dipole interactions. Physical Review A, 2008, 78, .	2.5	58
129	Three-wave gap solitons in waveguides with quadratic nonlinearity. Physical Review E, 1998, 58, 6708-6722.	2.1	57
130	Interaction of a soliton with a local defect in a fiber Bragg grating. Journal of the Optical Society of America B: Optical Physics, 2003, 20, 725.	2.1	57
131	Hidden vorticity in binary Bose-Einstein condensates. Physical Review A, 2010, 82, .	2.5	55
132	Matter-wave soliton interferometer based on a nonlinear splitter. New Journal of Physics, 2016, 18, 025020.	2.9	55
133	Semidiscrete Quantum Droplets and Vortices. Physical Review Letters, 2019, 123, 133901.	7.8	55
134	Bragg-grating solitons in a semilinear dual-core system. Physical Review E, 2000, 62, 8713-8718.	2.1	54
135	Spontaneous symmetry breaking of Bose-Fermi mixtures in double-well potentials. Physical Review A, 2010, 81, .	2.5	54
136	Newton's cradles in optics: From<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>N</mml:mi></mml:math>-soliton fission to soliton chains. Physical Review A, 2013, 87, .	2.5	54
137	Spatiotemporally Localized Multidimensional Solitons in Self-Induced Transparency Media. Physical Review Letters, 2000, 84, 1906-1909.	7.8	53
138	Solitary waves in systems with separated Bragg grating and nonlinearity. Physical Review E, 2001, 64, 066617.	2.1	53
139	Discrete and continuum composite solitons in Bose-Einstein condensates with the Rashba spin-orbit coupling in one and two dimensions. Physical Review E, 2014, 90, 062922.	2.1	53
140	Stability conditions for one-dimensional optical solitons in cubic-quintic-septimal media. Physical Review A, 2015, 92, .	2.5	53
141	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
142	Array of Bose-Einstein condensates under time-periodic Feshbach-resonance management. Physical Review A, 2003, 68, .	2.5	52
143	Interaction of a soliton with a localized gain in a fiber Bragg grating. Physical Review E, 2003, 67, 026608.	2.1	52
144	Static and rotating domain-wall cross patterns in Bose-Einstein condensates. Physical Review A, 2004, 70, .	2.5	52

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145	Multistable solitons in higher-dimensional cubicâ€“quintic nonlinear SchrÃ¶dinger lattices. Physica D: Nonlinear Phenomena, 2009, 238, 126-136.	2.8	52
146	Self-trapping of scalar and vector dipole solitary waves in Kerr media. Physical Review A, 2011, 83, .	2.5	52
147	Discrete solitons and vortices on two-dimensional lattices of ?? -symmetric couplers. Optics Express, 2014, 22, 29679.	3.4	52
148	Stabilization of spatiotemporal solitons in Kerr media by dispersive coupling. Optics Letters, 2015, 40, 1045.	3.3	52
149	Stable giant vortex annuli in microwave-coupled atomic condensates. Physical Review A, 2016, 94, .	2.5	52
150	Modulational Instability, Inter-Component Asymmetry, and Formation of Quantum Droplets in One-Dimensional Binary Bose Gases. Symmetry, 2020, 12, 174.	2.2	52
151	Bifurcations in distributed kinetic systems with aperiodic instability. Physica D: Nonlinear Phenomena, 1984, 14, 67-87.	2.8	51
152	Solitons in coupled waveguides with quadratic nonlinearity. Physical Review E, 1997, 55, 6134-6140.	2.1	51
153	Transition from resonances to bound states in nonlinear systems: application to Boseâ€“Einstein condensates. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, L193-L200.	1.5	50
154	Symmetry breaking in linearly coupled dynamical lattices. Physical Review E, 2007, 76, 066606.	2.1	50
155	Spontaneous soliton symmetry breaking in two-dimensional coupled Bose-Einstein condensates supported by optical lattices. Physical Review A, 2007, 76, .	2.5	50
156	Interactions of solitons with a Gaussian barrier: splitting and recombination in quasi-one-dimensional and three-dimensional settings. New Journal of Physics, 2013, 15, 063006.	2.9	50
157	Nonlinear modes in binary bosonic condensates with pseudoâ€“spin-orbital coupling. Physical Review A, 2013, 88, .	2.5	50
158	Families of fundamental and multipole solitons in a cubic-quintic nonlinear lattice in fractional dimension. Chaos, Solitons and Fractals, 2021, 144, 110589.	5.1	50
159	Optical domain walls. Physical Review E, 1994, 50, 1565-1571.	2.1	49
160	Robust soliton clusters in media with competing cubic and quintic nonlinearities. Physical Review E, 2003, 68, 046612.	2.1	49
161	Solitons in Boseâ€“Einstein condensates trapped in a double-well potential. Physica D: Nonlinear Phenomena, 2004, 188, 213-240.	2.8	49
162	Controlling the transverse instability of dark solitons and nucleation of vortices by a potential barrier. Physical Review A, 2010, 82, .	2.5	49

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163	Unbreakable PT symmetry of solitons supported by inhomogeneous defocusing nonlinearity. Optics Letters, 2014, 39, 5641.	3.3	49
164	Motion of solitons in one-dimensional spin-orbit-coupled Bose-Einstein condensates. Physical Review A, 2016, 94, .	2.5	49
165	One- and two-dimensional gap solitons in spin-orbit-coupled systems with Zeeman splitting. Physical Review A, 2018, 97, .	2.5	49
166	Stable spatiotemporal spinning solitons in a bimodal cubic-quintic medium. Physical Review E, 2003, 67, 056608.	2.1	48
167	Two-dimensional dispersion-managed light bullets in Kerr media. Physical Review E, 2004, 70, 016603.	2.1	48
168	Families of spatial solitons in a two-channel waveguide with the cubic-quintic nonlinearity. Physica D: Nonlinear Phenomena, 2008, 237, 3252-3262.	2.8	48
169	Stabilization of single- and multi-peak solitons in the fractional nonlinear SchrÃ¶dinger equation with a trapping potential. Chaos, Solitons and Fractals, 2020, 140, 110222.	5.1	48
170	Exact stationary wave patterns in three coupled nonlinear SchrÃ¶dinger/Grossâ€“Pitaevskii equations. Chaos, Solitons and Fractals, 2009, 42, 3013-3019.	5.1	47
171	Spatial solitons supported by localized gain [Invited]. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 2460.	2.1	47
172	Three-dimensional hybrid vortex solitons. New Journal of Physics, 2014, 16, 063035.	2.9	47
173	Symmetry breaking of spatial Kerr solitons in fractional dimension. Chaos, Solitons and Fractals, 2020, 132, 109602.	5.1	47
174	Propagation dynamics of abruptly autofocusing circular Airy Gaussian vortex beams in the fractional SchrÃ¶dinger equation. Chaos, Solitons and Fractals, 2021, 142, 110470.	5.1	47
175	Spontaneous symmetry breaking of gap solitons and phase transitions in double-well traps. Physical Review A, 2008, 78, .	2.5	46
176	Vector solitons in nonlinear lattices. Optics Letters, 2009, 34, 3625.	3.3	46
177	Modulational instability in binary spin-orbit-coupled Bose-Einstein condensates. Physical Review A, 2015, 92, .	2.5	46
178	Three-dimensional walking spatiotemporal solitons in quadratic media. Physical Review E, 2000, 62, 7340-7347.	2.1	45
179	Modulated amplitude waves in collisionally inhomogeneous Boseâ€“Einstein condensates. Physica D: Nonlinear Phenomena, 2007, 229, 104-115.	2.8	45
180	Collisions between coaxial vortex solitons in the three-dimensional cubic-quintic complex Ginzburg-Landau equation. Physical Review A, 2008, 77, .	2.5	45

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181	Spontaneous symmetry breaking in SchrÃ¶dinger lattices with two nonlinear sites. Physical Review A, 2011, 83, .	2.5	45
182	Stationary solutions of the Grossâ€“Pitaevskii equation with linear counterpart. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 275, 424-434.	2.1	44
183	Tightly bound gap solitons in a Fermi gas. Europhysics Letters, 2007, 79, 50003.	2.0	44
184	Solvable model for solitons pinned to a parity-time-symmetric dipole. Physical Review E, 2013, 88, 022919.	2.1	44
185	Creating solitons by means of spin-orbit coupling. Europhysics Letters, 2018, 122, 36001.	2.0	44
186	Resonant nonlinearity management for nonlinear SchrÃ¶dinger solitons. Physical Review E, 2004, 70, 066613.	2.1	43
187	Solitons supported by localized nonlinearities in periodic media. Physical Review A, 2011, 83, .	2.5	43
188	Symmetric and asymmetric solitons and vortices in linearly coupled two-dimensional waveguides with the cubic-quintic nonlinearity. Physica D: Nonlinear Phenomena, 2011, 240, 526-541.	2.8	43
189	Domain walls and vortices in linearly coupled systems. Physical Review E, 2011, 84, 046602.	2.1	43
190	Creating two-dimensional bright solitons in dipolar Bose-Einstein condensates. Physical Review A, 2012, 85, .	2.5	43
191	Families of stable solitons and excitations in the PT-symmetric nonlinear SchrÃ¶dinger equations with position-dependent effective masses. Scientific Reports, 2017, 7, 1257.	3.3	43
192	Internal vibrations of a vector soliton in the coupled nonlinear SchrÃ¶dinger equations. Physical Review E, 1998, 58, 2564-2575.	2.1	42
193	Dark and bright solitons in resonantly absorbing gratings. Physical Review E, 1999, 60, 6137-6149.	2.1	42
194	Two-dimensional discrete solitons in dipolar Bose-Einstein condensates. Physical Review A, 2010, 81, .	2.5	42
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