Vladimir Konotop

List of Publications by Year
in descending order

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335	11,842	34016	37111
papers	citations	52 h-index	96 g-index

338	338	338	3558
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nonlinear waves in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="script">PT</mml:mi></mml:mrow></mml:math>-symmetric systems. Reviews of Modern Physics, 2016, 88, .	16.4	819
2	Matter rogue waves. Physical Review A, 2009, 80, .	1.0	558
3	THEORY OF NONLINEAR MATTER WAVES IN OPTICAL LATTICES. Modern Physics Letters B, 2004, 18, 627-651.	1.0	371
4	Modulational instability in Bose-Einstein condensates in optical lattices. Physical Review A, 2002, 65, .	1.0	292
5	Solitons in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:mi mathvariant="script">PT</mml:mi></mml:mrow></mml:mrow></mml:math>-symmetric nonlinear lattices. Physical Review A, 2011, 83, .	1.0	265
6	Localized Nonlinear Waves in Systems with Time- and Space-Modulated Nonlinearities. Physical Review Letters, 2008, 100, 164102.	2.9	261
7	Localization and delocalization of light in photonic moirÃ© lattices. Nature, 2020, 577, 42-46.	13.7	253
8	Nonlinear excitations in arrays of Bose-Einstein condensates. Physical Review A, 2001, 64, .	1.0	247
9	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="script">P</mml:mi><mml:mi mathvariant="script">T</mml:mi></mml:math>Symmetry with a System of Three-Level Atoms. Physical Review Letters, 2013, 110, 083604.	2.9	229
10	Wannier functions analysis of the nonlinear SchrÃ¶dinger equation with a periodic potential. Physical Review E, 2002, 66, 046608.	0.8	209
11	Vector rogue waves in binary mixtures of Bose-Einstein condensates. European Physical Journal: Special Topics, 2010, 185, 169-180.	1.2	185
12	Dynamics of coupled dark and bright optical solitons. Optics Letters, 1989, 14, 805.	1.7	157
13	Nonlinearity-induced photonic topological insulator. Science, 2020, 370, 701-704.	6.0	157
14	Adiabatic Dynamics of Periodic Waves in Bose-Einstein Condensates with Time Dependent Atomic Scattering Length. Physical Review Letters, 2003, 90, 230402.	2.9	154
15	Regular spatial structures in arrays of BoseÂEinstein condensates induced by modulational instability. Journal of Physics B: Atomic, Molecular and Optical Physics, 2002, 35, 5105-5119.	0.6	151
16	Nonlinear Modes in Finite-Dimensional<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="script">P</mml:mi><mml:mi mathvariant="script">T</mml:mi></mml:math>-Symmetric Systems. Physical Review Letters, 2012, 108, 213906.	2.9	146
17	Gap Solitons in a Spin-Orbit-Coupled Bose-Einstein Condensate. Physical Review Letters, 2013, 111, 060402.	2.9	140
18	Modulational instability of Gross-Pitaevskii-type equations in1+1dimensions. Physical Review A, 2003, 67, .	1.0	133

#	Article	IF	Citations
19	Optical soliton formation controlled by angle twisting in photonic moirÃ© lattices. Nature Photonics, 2020, 14, 663-668.	15.6	129
20	Fundamental, Multipole, and Half-Vortex Gap Solitons in Spin-Orbit Coupled Bose-Einstein Condensates. Physical Review Letters, 2014, 112, 180403.	2.9	128
21	Three-dimensional rogue waves in nonstationary parabolic potentials. Physical Review E, 2010, 82, 036610.	0.8	121
22	Nonlinear modes in the harmonic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="script">PT</mml:mi></mml:math>-symmetric potential. Physical Review A, 2012, 85, .	1.0	109
23	Landau Dynamics of a Grey Soliton in a Trapped Condensate. Physical Review Letters, 2004, 93, 240403.	2.9	104
24	Exact solutions to three-dimensional generalized nonlinear SchrÃ¶dinger equations with varying potential and nonlinearities. Physical Review E, 2009, 80, 036607.	0.8	102
25	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, .	1.0	99
26	Matter solitons in Bose-Einstein condensates with optical lattices. Europhysics Letters, 2002, 58, 7-13.	0.7	95
27	Rogue waves as spatial energy concentrators in arrays of nonlinear waveguides. Optics Letters, 2009, 34, 3015.	1.7	95
28	Dynamics of quasicollapse in nonlinear SchrÃ¶dinger systems with nonlocal interactions. Physical Review E, 2000, 62, 4300-4308.	0.8	92
29	Similarity transformations for nonlinear SchrÃ¶dinger equations with time-dependent coefficients. Physica D: Nonlinear Phenomena, 2006, 221, 31-36.	1.3	92
30	Dynamics and interaction of solitons on an integrable inhomogeneous lattice. Physical Review E, 1993, 48, 563-568.	0.8	91
31	Feshbach Resonance Induced Shock Waves in Bose-Einstein Condensates. Physical Review Letters, 2004, 92, 220403.	2.9	91
32	Stable and unstable vector dark solitons of coupled nonlinear SchrÃ¶dinger equations: Application to two-component Bose-Einstein condensates. Physical Review E, 2005, 72, 026616.	0.8	86
33	Dissipative periodic waves, solitons, and breathers of the nonlinear SchrÃ¶dinger equation with complex potentials. Physical Review E, 2010, 82, 056606.	0.8	85
34	On classification of intrinsic localized modes for the discrete nonlinear SchrÃ¶dinger equation. Physica D: Nonlinear Phenomena, 2004, 194, 127-150.	1.3	78
35	Solitons in Bose-Einstein Condensates with Helicoidal Spin-Orbit Coupling. Physical Review Letters, 2017, 118, 190401.	2.9	78
36	Dissipation-Induced Coherent Structures in Bose-Einstein Condensates. Physical Review Letters, 2009, 102, 144101.	2.9	76

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37	Solitons in a nonlinear SchrÃ¶dinger equation with<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="script">PT</mml:mi></mml:math>-symmetric potentials and inhomogeneous nonlinearity: Stability and excitation of nonlinear modes. Physical Review A, 2015, 92, .	1.0	76
38	Discrete nonlinear Schrodinger equation under nonvanishing boundary conditions. Inverse Problems, 1992, 8, 889-909.	1.0	73
39	Stability of solitons in ??-symmetric nonlinear potentials. Europhysics Letters, 2011, 96, 64003.	0.7	73
40	Dynamics of solitons under random perturbations. Physics Reports, 1988, 157, 63-181.	10.3	71
41	Instabilities, solitons and rogue waves in ??-coupled nonlinear waveguides. Journal of Optics (United) Tj ETQq1 1 0.784314 rgBT /Over	1.0	70
42	Zeno effect and switching of solitons in nonlinear couplers. Optics Letters, 2011, 36, 4566.	1.7	67
43	Long-Living Bloch Oscillations of Matter Waves in Periodic Potentials. Physical Review Letters, 2008, 101, 030405.	2.9	66
44	Families of stationary modes in complex potentials. Optics Letters, 2014, 39, 5535.	1.7	61
45	Odd-Time Reversal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="script">P</mml:mi><mml:mi mathvariant="script">T</mml:mi></mml:mrow></mml:math> Symmetry Induced by an Anti- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="script">P</mml:mi><mml:mi mathvariant="script">T</mml:mi></mml:mrow></mml:math> -Symmetric Medium. Physical Review Letters, 2018, 120, 123902.	2.9	61
46	Collapse of Solutions of the Nonlinear SchrÃ¶dinger Equation with a Time-Dependent Nonlinearity: Application to Bose-Einstein Condensates. Physical Review Letters, 2005, 94, .	2.9	59
47	Small-amplitude envelope solitons in nonlinear lattices. Physical Review E, 1996, 53, 2843-2858.	0.8	56
48	Coherent perfect absorption of nonlinear matter waves. Science Advances, 2018, 4, eaat6539.	4.7	56
49	Discrete solitons in chem {cal PT} -symmetric lattices. Europhysics Letters, 2012, 100, 56006.	0.7	55
50	Coupled Airy breathers. Optics Letters, 2014, 39, 5523.	1.7	55
51	Direct perturbation theory for dark solitons. Physical Review E, 1994, 49, 2397-2407.	0.8	54
52	Two-component Bose-Einstein condensates in periodic potential. Physical Review E, 2004, 70, 056617.	0.8	53
53	A quasi-local Grossâ€“Pitaevskii equation for attractive Boseâ€“Einstein condensates. Mathematics and Computers in Simulation, 2003, 62, 21-30.	2.4	52
54	Bose-Einstein condensates with localized spin-orbit coupling: Soliton complexes and spinor dynamics. Physical Review A, 2014, 90, .	1.0	52

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55	Stabilization of spatiotemporal solitons in Kerr media by dispersive coupling. Optics Letters, 2015, 40, 1045.	1.7	52
56	Giant amplification of modes in parity-time symmetric waveguides. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 2750-2753.	0.9	51
57	Topological States in Partially-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="script">PT</mml:mi></mml:mrow></mml:math>-Symmetric Azimuthal Potentials. Physical Review Letters, 2015, 115, 193902.	2.9	51
58	Localization-delocalization wavepacket transition in Pythagorean aperiodic potentials. Scientific Reports, 2016, 6, 32546.	1.6	51
59	Nonlinear modes in binary bosonic condensates with pseudoâ€“spin-orbital coupling. Physical Review A, 2013, 88, .	1.0	50
60	Bloch Oscillations in Optical and Zeeman Lattices in the Presence of Spin-Orbit Coupling. Physical Review Letters, 2016, 117, 215301.	2.9	50
61	Evolution of a dark soliton in a parabolic potential: Application to Bose-Einstein condensates. Physical Review A, 2003, 68, .	1.0	49
62	Localized modes in arrays of boson-fermion mixtures. Physical Review A, 2006, 74, .	1.0	49
63	Stationary localized modes of the quintic nonlinear SchrÃ¶dinger equation with a periodic potential. Physical Review A, 2007, 75, .	1.0	49
64	Dissipative defect modes in periodic structures. Optics Letters, 2010, 35, 1638.	1.7	49
65	Solitons in a medium with linear dissipation and localized gain. Optics Letters, 2011, 36, 1200.	1.7	48
66	Macroscopic Zeno Effect and Stationary Flows in Nonlinear Waveguides with Localized Dissipation. Physical Review Letters, 2012, 109, 020405.	2.9	48
67	Dark solitons as quasiparticles in trapped condensates. Physical Review A, 2006, 73, .	1.0	47
68	Observation and Uses of Position-Space Bloch Oscillations in an Ultracold Gas. Physical Review Letters, 2018, 120, 213201.	2.9	47
69	Discrete vortex solitons and parity time symmetry. Optics Letters, 2013, 38, 371.	1.7	44
70	Control of a Bose-Einstein condensate by dissipation: Nonlinear Zeno effect. Physical Review A, 2010, 81, .	1.0	43
71	Localized modes in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>Ï‡</mml:mi><mml:mrow><mml:mo>(</mml:mo><mml:mn>2</mml:mn><mml:mo>)</mml:mo></mml:mrow></mml:msup></mml:math>with<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="script">PT</mml:mi></mml:math>-symmetric localized potential. Physical Review A, 2012, 86, .	1.0	43
72	Vector Topological Edge Solitons in Floquet Insulators. ACS Photonics, 2020, 7, 735-745.	3.2	43

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73	Solitary waves under the competition of linear and nonlinear periodic potentials. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 14151-14163.	0.7	40
74	Localization of light in a parity-time-symmetric quasi-periodic lattice. Optics Letters, 2015, 40, 2758.	1.7	40
75	Stability of excited states of a Bose-Einstein condensate in an anharmonic trap. Physical Review A, 2008, 78, .	1.0	39
76	Nonlinear patterns in Bose-Einstein condensates in dissipative optical lattices. Physical Review A, 2010, 81, .	1.0	38
77	Discrete compactons: some exact results. Journal of Physics A, 2002, 35, L641-L652.	1.6	37
78	Nonreciprocal frequency doubler of electromagnetic waves based on a photonic crystal. Physical Review B, 2002, 66, .	1.1	37
79	Generalized neighbor-interaction models induced by nonlinear lattices. Physical Review E, 2008, 77, 016604.	0.8	37
80	Coupling of Edge States and Topological Bragg Solitons. Physical Review Letters, 2019, 123, 254103.	2.9	37
81	Bright compact breathers. Physical Review E, 2002, 65, 066614.	0.8	36
82	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 periodic systems with the quadratic nonlinearity. Physical Review A, 2013, 87, .	1.0	36
83	Topological dipole Floquet solitons. Physical Review A, 2021, 103, .	1.0	36
84	Symmetry breaking and multipeaked solitons in inhomogeneous gain landscapes. Physical Review A, 2011, 83, .	1.0	35
85	Edge solitons in Lieb topological Floquet insulator. Optics Letters, 2020, 45, 1459.	1.7	35
86	Multifrequency Solitons in Commensurate-Incommensurate Photonic MoirÃ© Lattices. Physical Review Letters, 2021, 127, 163902.	2.9	35
87	Wave Transmission through a One-Dimensional Cantor-Like Fractal Medium. Europhysics Letters, 1990, 12, 481-485.	0.7	34
88	Soliton on a disordered lattice. Physical Review E, 1993, 47, 1423-1426.	0.8	34
89	Two-dimensional dissipative solitons supported by localized gain. Optics Letters, 2011, 36, 82.	1.7	34
90	Spatial solitons and instabilities of light beams in a three-level atomic medium with a standing-wave control field. Physical Review A, 2009, 79, .	1.0	33

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91	Dynamic generation of matter solitons from linear states via time-dependent scattering lengths. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 1173-1188.	0.6	32
92	Nonlinear modes in a generalized $mathcal{PT}$-symmetric discrete nonlinear SchrÃ¶dinger equation. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 085204.	0.7	32
93	Landau-Zener tunneling of Bose-Einstein condensates in an optical lattice. Physical Review A, 2005, 72, .	1.0	31
94	Control of nonlinear modes by scattering-length management in Bose-Einstein condensates. Physical Review A, 2007, 76, .	1.0	31
95	Interaction of a soliton with point impurities in an inhomogeneous, discrete nonlinear SchrÃ¶dinger system. Physical Review E, 1996, 53, 6476-6485.	0.8	30
96	Stationary dark localized modes: Discrete nonlinear SchrÃ¶dinger equations. Physical Review E, 1999, 60, 1001-1008.	0.8	30
97	Kink dynamics in the periodically modulatedÏ†4model. Physical Review E, 1993, 48, 548-554.	0.8	29
98	Dissipative surface solitons in periodic structures. Europhysics Letters, 2010, 91, 34003.	0.7	29
99	Tunable spectral singularities: coherent perfect absorber and laser in an atomic medium. New Journal of Physics, 2016, 18, 085003.	1.2	29
100	Solitons in Inhomogeneous Gauge Potentials: Integrable and Nonintegrable Dynamics. Physical Review Letters, 2019, 122, 064101.	2.9	29
101	Delocalizing transition in one-dimensional condensates in optical lattices due to inhomogeneous interactions. Physical Review A, 2007, 76, .	1.0	28
102	Nonlinear Thouless Pumping: Solitons and Transport Breakdown. Physical Review Letters, 2022, 128, 154101.	2.9	28
103	Parametric patterns in optical fiber ring nonlinear resonators. Physical Review A, 2013, 88, .	1.0	27
104	Jamming anomaly in ${oldsymbol{ mathcal Q }}{oldsymbol{ mathcal T }}$-symmetric systems. New Journal of Physics, 2016, 18, 075015.	1.2	27
105	Phase transition through the splitting of self-dual spectral singularity in optical potentials. Optics Letters, 2017, 42, 5206.	1.7	27
106	${cal CPT}$ -symmetric spin-orbitâ€“coupled condensate. Europhysics Letters, 2014, 107, 50002.	0.7	26
107	PT-symmetric coupler with a coupling defect: soliton interaction with exceptional point. Optics Letters, 2014, 39, 3382.	1.7	26
108	Diffraction control in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="script">P</mml:mi><mml:mi mathvariant="script">T</mml:mi></mml:mrow></mml:math>-symmetric photonic lattices: From beam rectification to dynamic localization. Physical Review A, 2016, 93, .	1.0	26

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109	Bragg solitons in topological Floquet insulators. Optics Letters, 2020, 45, 2271.	1.7	26
110	Dark solitary waves in a generalized version of the nonlinear SchrÃ¶dinger equation. Physical Review A, 1992, 46, 4185-4191.	1.0	25
111	Nonlinear tunneling of Bose-Einstein condensates in an optical lattice: Signatures of quantum collapse and revival. Physical Review A, 2007, 75, .	1.0	25
112	Conservative and PT-symmetric compactons in waveguide networks. Optics Letters, 2013, 38, 4880.	1.7	25
113	Coherent-perfect-absorber and laser for bound states in a continuum. Optics Letters, 2018, 43, 607.	1.7	25
114	Driving Defect Modes of Bose-Einstein Condensates in Optical Lattices. Physical Review Letters, 2006, 96, 060403.	2.9	24
115	Tunable nonlinear parityâ€“time-symmetric defect modes with an atomic cell. Optics Letters, 2013, 38, 4033.	1.7	24
116	Tunable nonlinear double-core PT-symmetric waveguides. Optics Letters, 2014, 39, 5387.	1.7	24
117	Localized modes and dark solitons sustained by nonlinear defects. Optics Letters, 2021, 46, 2216.	1.7	24
118	Hydrodynamic flow of expanding Bose-Einstein condensates. Physical Review A, 2003, 68, .	1.0	23
119	Localized and periodic exact solutions to the nonlinear SchrÃ¶dinger equation with spatially modulated parameters: Linear and nonlinear lattices. Chaos, Solitons and Fractals, 2009, 41, 1158-1166.	2.5	23
120	Simultaneous second- and third-harmonic generation in one-dimensional photonic crystals. Journal of the Optical Society of America B: Optical Physics, 1999, 16, 1370.	0.9	22
121	Mixed-symmetry localized modes and breathers in binary mixtures of Bose-Einstein condensates in optical lattices. Physical Review A, 2007, 76, .	1.0	22
122	Stationary modes and integrals of motion in nonlinear lattices with a ${mathcal {PT}}$-symmetric linear part. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 415301.	0.7	22
123	Parity-time-symmetric optical coupler with birefringent arms. Physical Review A, 2013, 87, .	1.0	22
124	Nonlinear modulation of multidimensional lattice waves. Physical Review E, 2001, 64, 056619.	0.8	21
125	Dynamical localization of gap-solitons by time periodic forces. Europhysics Letters, 2009, 87, 20004.	0.7	21
126	Discrete solitons in arrays of positive and negative index waveguides. Optics Letters, 2012, 37, 3930.	1.7	21

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127	Bohr-Sommerfeld Quantization Condition for the Gross-Pitaevskii Equation. Physical Review Letters, 2003, 91, 230402.	2.9	20
128	Management of matter waves in optical lattices by means of the Feshbach resonance. Physical Review A, 2005, 72, .	1.0	20
129	Acceleration and localization of matter in a ring trap. Physical Review A, 2007, 75, .	1.0	20
130	Surface modes and breathers in finite arrays of nonlinear waveguides. Physical Review E, 2007, 76, 046604.	0.8	20
131	Rabi oscillations of matter-wave solitons in optical lattices. Physical Review A, 2009, 80, .	1.0	20
132	Nonlinear modes in a complex parabolic potential. Physical Review A, 2010, 81, .	1.0	20
133	Superfluidity of Bose-Einstein condensates in toroidal traps with nonlinear lattices. Physical Review A, 2011, 84, .	1.0	20
134	Light localization in nonuniformly randomized lattices. Optics Letters, 2012, 37, 286.	1.7	20
135	Stochastic parity-time-symmetric coupler. Optics Letters, 2014, 39, 1223.	1.7	20
136	Bound states in the continuum in a two-dimensional PT-symmetric system. Optics Letters, 2018, 43, 575.	1.7	20
137	Interaction of a dark soliton with a localized impurity. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 236, 314-318.	0.9	19
138	All-optical steering of light via spatial Bloch oscillations in a gas of three-level atoms. Physical Review A, 2010, 81, .	1.0	19
139	Dark and bright excitons in systems with exchange and dipole-dipole interactions. Physical Review B, 1997, 55, 11342-11352.	1.1	18
140	Solitons of Bose-Fermi mixtures in a strongly elongated trap. Physical Review A, 2006, 73, .	1.0	18
141	Spatial solitons in a three-level atomic medium supported by a Laguerre-Gaussian control beam. Physical Review A, 2011, 83, .	1.0	18
142	Linear and nonlinear Zeno effects in an optical coupler. Physical Review A, 2011, 83, .	1.0	18
143	Hybrid Blochâ€“Anderson localization of light. Optics Letters, 2013, 38, 1488.	1.7	18
144	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="script">PT</mml:mi></mml:math>-symmetric coupler with<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>Ï‡</mml:mi><mml:mrow><mml:mo>(</mml:mo><mml:mn>2</mml:mn><mml:mo>)</mml:mo></mml:mrow></mml:msup></mml:math> Physical Review A, 2013, 88, .	1.0	18

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145	Four-wave mixing in a parity-time (PT)-symmetric coupler. Optics Letters, 2015, 40, 5291.	1.7	18
146	Multidimensional hybrid Bose-Einstein condensates stabilized by lower-dimensional spin-orbit coupling. Physical Review Research, 2020, 2, .	1.3	18
147	Randomly modulated dark soliton. Journal of Physics A, 1991, 24, 767-785.	1.6	17
148	On soliton creation in the nonlinear Schrodinger models: discrete and continuous versions. Journal of Physics A, 1992, 25, 4037-4042.	1.6	17
149	Lattice dark solitions in the linear potential. Theoretical and Mathematical Physics(Russian) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	0.3	17
150	Intrinsic localized modes as solitons of the discrete Hirota equation. Physical Review E, 1996, 54, 2010-2014.	0.8	17
151	On the existence of gap solitons. Physica D: Nonlinear Phenomena, 2000, 146, 307-327.	1.3	17
152	Stationary through-flows in a Bose-Einstein condensate with a<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="script">PT</mml:mi></mml:math>-symmetric impurity. Physical Review A, 2016, 94, .	1.0	17
153	Coherent perfect absorber and laser for nonlinear waves in optical waveguide arrays. Optics Letters, 2018, 43, 5901.	1.7	17
154	Dark and bright shock waves on oscillating backgrounds in a discrete nonlinear SchrÃ¶dinger equation. Physical Review E, 1997, 56, 3611-3618.	0.8	16
155	Dynamics of matter solitons in weakly modulated optical lattices. Physical Review A, 2004, 70, .	1.0	16
156	Matter waves of Bose-Fermi mixtures in one-dimensional optical lattices. Physical Review A, 2006, 74, .	1.0	16
157	Nature of the Intrinsic Relation between Bloch-Band Tunneling and Modulational Instability. Physical Review Letters, 2006, 96, 150402.	2.9	16
158	Surface solitons in three dimensions. Physical Review E, 2008, 78, 036605.	0.8	16
159	Quantum Switching at a Mean-Field Instability of a Bose-Einstein Condensate in an Optical Lattice. Physical Review Letters, 2009, 102, 055702.	2.9	16
160	Broadband quasi-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="script">PT</mml:mi></mml:math>-symmetry sustained by inhomogeneous broadening of the spectral line. Physical Review A, 2018, 98, .	1.0	16
161	Designing lasing and perfectly absorbing potentials. Physical Review A, 2019, 99, .	1.0	16
162	Small-amplitude excitations in a deformable discrete nonlinear SchrÃ¶dinger equation. Physical Review E, 1997, 55, 4706-4712.	0.8	15

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163	Vortex lattice solitons supported by localized gain. Optics Letters, 2010, 35, 3177.	1.7	15
164	Two-dimensional superfluid flows in inhomogeneous Bose-Einstein condensates. Physical Review E, 2012, 85, 016601.	0.8	15
165	Bound states in the continuum in spin-orbit-coupled atomic systems. Physical Review A, 2017, 96, .	1.0	15
166	Solitons in a PT-symmetric Ï‡^(2) coupler. Optics Letters, 2017, 42, 4079.	1.7	15
167	Spectral singularities of odd- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="script">P</mml:mi><mml:mi mathvariant="script">T</mml:mi></mml:mrow></mml:math> -symmetric potentials. Physical Review A, 2019, 99, .	1.0	15
168	Stable Nonlinear Modes Sustained by Gauge Fields. Physical Review Letters, 2020, 125, 054101.	2.9	15
169	Dynamics of aÏ†4kink in the presence of strong potential fluctuations, dissipation, and boundaries. Physical Review A, 1991, 44, 1086-1103.	1.0	14
170	On wave propagation in periodic structures with smoothly varying parameters. Journal of the Optical Society of America B: Optical Physics, 1997, 14, 364.	0.9	14
171	Shock waves in a chain of two-level atoms with exchange and dipole-dipole interactions. Physical Review E, 1997, 56, 7240-7245.	0.8	14
172	Long-lived matter wave Bloch oscillations and dynamical localization by time-dependent nonlinearity management. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 105302.	0.6	14
173	Nonlinear phenomena in degenerate quantum gases. Physica D: Nonlinear Phenomena, 2009, 238, 1289-1298.	1.3	14
174	Suppression and restoration of disorderâ€induced light localization mediated by â€symmetry breaking. Laser and Photonics Reviews, 2016, 10, 100-107.	4.4	14
175	Spin-orbit-coupled soliton in a random potential. Physical Review A, 2018, 98, .	1.0	14
176	Parity-time-symmetric rational vector rogue waves of the n-component nonlinear SchrÃ¶dinger equation. Chaos, 2021, 31, 063120.	1.0	14
177	Wave interaction with a random fat fractal: dimension of the reflection coefficient. Waves in Random and Complex Media, 1995, 5, 9-18.	1.5	13
178	Second-harmonic generation in diatomic lattices. Physical Review E, 1996, 54, 4266-4270.	0.8	13
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