

Mario Salerno

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3086605/publications.pdf>

Version: 2024-02-01

182
papers

5,366
citations

87723

38
h-index

102304

66
g-index

184
all docs

184
docs citations

184
times ranked

1793
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulational instability in Bose-Einstein condensates in optical lattices. <i>Physical Review A</i> , 2002, 65, .	1.0	292
2	Multidimensional solitons in periodic potentials. <i>Europhysics Letters</i> , 2003, 63, 642-648.	0.7	262
3	Nonlinear excitations in arrays of Bose-Einstein condensates. <i>Physical Review A</i> , 2001, 64, .	1.0	247
4	Wannier functions analysis of the nonlinear Schrödinger equation with a periodic potential. <i>Physical Review E</i> , 2002, 66, 046608.	0.8	209
5	Multidimensional solitons in a low-dimensional periodic potential. <i>Physical Review A</i> , 2004, 70, .	1.0	165
6	Regular spatial structures in arrays of Bose-Einstein condensates induced by modulational instability. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2002, 35, 5105-5119.	0.6	151
7	Gap-Townes solitons and localized excitations in low-dimensional Bose-Einstein condensates in optical lattices. <i>Physical Review A</i> , 2005, 72, .	1.0	140
8	Ratchetlike Dynamics of Fluxons in Annular Josephson Junctions Driven by Biharmonic Microwave Fields. <i>Physical Review Letters</i> , 2004, 93, 087001.	2.9	118
9	Thermal Fluctuations in Resonant Motion of Fluxons on a Josephson Transmission Line: Theory and Experiment. <i>Physical Review Letters</i> , 1982, 49, 1093-1096.	2.9	114
10	Discrete model for DNA-promoter dynamics. <i>Physical Review A</i> , 1991, 44, 5292-5297.	1.0	113
11	Quantum deformations of the discrete nonlinear Schrödinger equation. <i>Physical Review A</i> , 1992, 46, 6856-6859.	1.0	107
12	Matter solitons in Bose-Einstein condensates with optical lattices. <i>Europhysics Letters</i> , 2002, 58, 7-13.	0.7	95
13	Fiske modes and Eck steps in long Josephson junctions: Theory and experiments. <i>Physical Review B</i> , 1998, 58, 12377-12384.	1.1	89
14	Dissipative periodic waves, solitons, and breathers of the nonlinear Schrödinger equation with complex potentials. <i>Physical Review E</i> , 2010, 82, 056606.	0.8	85
15	Electric-Field-Induced Nonlinear Bloch Oscillations and Dynamical Localization. <i>Physical Review Letters</i> , 1995, 74, 1186-1189.	2.9	81
16	Phase locking effect and current reversals in deterministic underdamped ratchets. <i>Physical Review E</i> , 2000, 62, 1988-1994.	0.8	80
17	Matter-wave solitons in radially periodic potentials. <i>Physical Review E</i> , 2006, 74, 066615.	0.8	78
18	Soliton ratchetlike dynamics by ac forces with harmonic mixing. <i>Physical Review E</i> , 2002, 65, 056603.	0.8	73

#	ARTICLE	IF	CITATIONS
19	Soliton ratchets. <i>Physical Review E</i> , 2002, 65, 025602.	0.8	69
20	Modulational instabilities in the discrete deformable nonlinear Schrödinger equation. <i>Physical Review E</i> , 1994, 49, 3543-3546.	0.8	67
21	Logarithmic divergence of the block entanglement entropy for the ferromagnetic Heisenberg model. <i>Physical Review A</i> , 2005, 71, .	1.0	67
22	Microwave phase locking of Josephson-junction fluxon oscillators. <i>Physical Review B</i> , 1990, 41, 6641-6654.	1.1	66
23	Long-Living Bloch Oscillations of Matter Waves in Periodic Potentials. <i>Physical Review Letters</i> , 2008, 101, 030405.	2.9	66
24	Quantum Bäcklund transformation for the integrable DST model. <i>Journal of Physics A</i> , 2000, 33, 171-189.	1.6	62
25	A new characterization of completely integrable systems. <i>Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods</i> , 1984, 83, 97-112.	0.2	54
26	Adiabatic compression of soliton matter waves. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2003, 36, 2851-2859.	0.6	53
27	Two-component Bose-Einstein condensates in periodic potential. <i>Physical Review E</i> , 2004, 70, 056617.	0.8	53
28	Quantum Signatures of Breather-Breather Interactions. <i>Physical Review Letters</i> , 2004, 93, 025504.	2.9	51
29	Localized modes of binary mixtures of Bose-Einstein condensates in nonlinear optical lattices. <i>Physical Review A</i> , 2008, 77, .	1.0	51
30	DNA promoters and nonlinear dynamics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1994, 193, 263-266.	0.9	44
31	There's more than one way to skin Schrödinger's cat. <i>Physica D: Nonlinear Phenomena</i> , 1992, 59, 1-24.	1.3	43
32	A simple map describing phase-locking of fluxon oscillations in long Josephson tunnel junctions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1989, 137, 75-78.	0.9	42
33	Resonant activation in overdamped systems with noise subjected to strong periodic driving. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000, 273, 162-166.	0.9	42
34	Stable two-dimensional dispersion-managed soliton. <i>Physical Review E</i> , 2003, 68, 066605.	0.8	40
35	Delocalizing transition of multidimensional solitons in Bose-Einstein condensates. <i>Physical Review A</i> , 2004, 69, .	1.0	40
36	Solitons in the Tonks-Girardeau gas with dipolar interactions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 175302.	0.6	40

#	ARTICLE	IF	CITATIONS
37	Atomic Josephson junction with two bosonic species. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 125301.	0.6	40
38	Alternate quantizations of the discrete self-trapping dimer. <i>Physica Scripta</i> , 1991, 43, 229-235.	1.2	39
39	Classical and quantum analysis of chaos in the discrete self-trapping equation. <i>Physical Review B</i> , 1990, 42, 522-526.	1.1	38
40	Matter-wave quantum dots and antidots in ultracold atomic Bose-Fermi mixtures. <i>Physical Review A</i> , 2005, 72, .	1.0	38
41	Matter-wave vortices and solitons in anisotropic optical lattices. <i>Physica D: Nonlinear Phenomena</i> , 2009, 238, 1439-1448.	1.3	37
42	Compactons in Nonlinear Schrödinger Lattices with Strong Nonlinearity Management. <i>Physical Review Letters</i> , 2010, 105, 113901.	2.9	37
43	Double parametric resonance for matter-wave solitons in a time-modulated trap. <i>Physical Review E</i> , 2005, 71, 036619.	0.8	35
44	Tunable spin-orbit-coupled Bose-Einstein condensates in deep optical lattices. <i>Physical Review A</i> , 2016, 94, .	1.0	35
45	Linewidth for fluxon oscillators. <i>Physical Review B</i> , 1982, 26, 2474-2481.	1.1	34
46	Suppression of phase-locking chaos in long Josephson junctions by biharmonic microwave fields. <i>Physical Review B</i> , 1991, 44, 2720-2726.	1.1	33
47	A Model of Sequence-Dependent Protein Diffusion Along DNA. <i>Journal of Biological Physics</i> , 2004, 30, 203-226.	0.7	33
48	Avoided-crossing and nearest-neighbour level spacings for the quantum DST equation. <i>Nonlinearity</i> , 1989, 2, 477-487.	0.6	32
49	Stabilization of ratchet dynamics by weak periodic signals. <i>Physical Review E</i> , 2001, 63, 066212.	0.8	32
50	Base-sequence-dependent sliding of proteins on DNA. <i>Physical Review E</i> , 2004, 70, 041901.	0.8	32
51	Dynamical properties of DNA promoters. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1992, 167, 49-53.	0.9	31
52	Phase locking and flux-flow resonances in Josephson oscillators driven by homogeneous microwave fields. <i>Physical Review B</i> , 1999, 59, 14653-14658.	1.1	31
53	Landau-Zener tunneling of Bose-Einstein condensates in an optical lattice. <i>Physical Review A</i> , 2005, 72, .	1.0	31
54	Interaction of a soliton with point impurities in an inhomogeneous, discrete nonlinear Schrödinger system. <i>Physical Review E</i> , 1996, 53, 6476-6485.	0.8	30

#	ARTICLE	IF	CITATIONS
55	Discrete soliton ratchets driven by biharmonic fields. <i>Physical Review E</i> , 2006, 73, 066621.	0.8	30
56	Phonons and solitons in the "thermal" sine-Gordon system. <i>Physical Review B</i> , 1984, 30, 2635-2639.	1.1	28
57	Suppression of chaos in the perturbed sine-Gordon system by weak periodic signals. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1993, 178, 81-84.	0.9	28
58	AdiabaticN-soliton interactions of Bose-Einstein condensates in external potentials. <i>Physical Review E</i> , 2006, 73, 046606.	0.8	27
59	Discrete nonlinear SchrÅdinger equations with arbitrarily high-order nonlinearities. <i>Physical Review E</i> , 2006, 74, 016607.	0.8	26
60	Lyapunov exponents for the n = 3 discrete self-trapping equation. <i>Physica D: Nonlinear Phenomena</i> , 1987, 26, 411-414.	1.3	25
61	On the quantum inverse scattering method for the DST dimer. <i>Physica D: Nonlinear Phenomena</i> , 1993, 68, 138-152.	1.3	25
62	Entangling power of permutation-invariant quantum states. <i>Physical Review A</i> , 2005, 72, .	1.0	25
63	RabiÅJosephson oscillations and self-trapped dynamics in atomic junctions with two bosonic species. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011, 44, 035301.	0.6	25
64	A new method to solve the quantum Ablowitz-Ladik system. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1992, 162, 381-384.	0.9	24
65	Hydrodynamic limit of multichain driven diffusive models. <i>Physical Review E</i> , 2004, 69, 046103.	0.8	24
66	Asymmetric simple exclusion process with periodic boundary driving. <i>Physical Review E</i> , 2008, 78, 011122.	0.8	24
67	Numerical evidence of a sharp order window in a Hamiltonian system. <i>Physica D: Nonlinear Phenomena</i> , 1988, 29, 421-426.	1.3	22
68	Adiabatic approximation and parametric stochastic resonance in a bistable system with periodically driven barrier. <i>Physical Review E</i> , 2000, 61, 1206-1210.	0.8	22
69	Mixed-symmetry localized modes and breathers in binary mixtures of Bose-Einstein condensates in optical lattices. <i>Physical Review A</i> , 2007, 76, .	1.0	22
70	Dynamical localization of gap-solitons by time periodic forces. <i>Europhysics Letters</i> , 2009, 87, 20004.	0.7	21
71	Phase-locking chaos in long Josephson junctions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1990, 144, 453-458.	0.9	20
72	Bose-Einstein condensation in a system ofq-bosons. <i>Physical Review E</i> , 1994, 50, 4528-4530.	0.8	20

#	ARTICLE	IF	CITATIONS
73	Rabi oscillations of matter-wave solitons in optical lattices. <i>Physical Review A</i> , 2009, 80, .	1.0	20
74	Dark soliton oscillations in Bose-Einstein condensates with multi-body interactions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 185303.	0.6	20
75	Superfluidity of Bose-Einstein condensates in toroidal traps with nonlinear lattices. <i>Physical Review A</i> , 2011, 84, .	1.0	20
76	Symmetry breaking of localized discrete matter waves induced by spin-orbit coupling. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 2252-2256.	0.9	20
77	Analytical approach to soliton ratchets in asymmetric potentials. <i>Physical Review E</i> , 2005, 72, 016610.	0.8	19
78	Resonant scattering of matter-wave gap solitons by optical lattice defects. <i>Physical Review A</i> , 2011, 83, .	1.0	19
79	Perturbation theories for sine-Gordon soliton dynamics. <i>Wave Motion</i> , 1983, 5, 49-58.	1.0	18
80	Spectral Linewidths of Josephson Oscillators. <i>Physical Review Letters</i> , 2001, 86, 5397-5400.	2.9	18
81	Matter-wave two-dimensional solitons in crossed linear and nonlinear optical lattices. <i>Physical Review A</i> , 2010, 82, .	1.0	17
82	Scattering of gap solitons by symmetric defects. <i>Physical Review A</i> , 2013, 88, .	1.0	17
83	Non-dissipative perturbations in the sine-gordon system. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1985, 108, 241-244.	0.9	16
84	Dark and bright shock waves on oscillating backgrounds in a discrete nonlinear Schrödinger equation. <i>Physical Review E</i> , 1997, 56, 3611-3618.	0.8	16
85	Domain walls and bubble droplets in immiscible binary Bose gases. <i>Physical Review A</i> , 2014, 90, .	1.0	16
86	Canonical transformation between integrable Heisenberg systems. <i>Physical Review E</i> , 1994, 49, 5897-5899.	0.8	15
87	Small-amplitude excitations in a deformable discrete nonlinear Schrödinger equation. <i>Physical Review E</i> , 1997, 55, 4706-4712.	0.8	15
88	A geometrical approach to the integrability of soliton equations. <i>Letters in Mathematical Physics</i> , 1985, 9, 85-91.	0.5	14
89	The Hubbard model on a complete graph: exact analytical results. <i>Zeitschrift für Physik B-Condensed Matter</i> , 1995, 99, 469-471.	1.1	14
90	Shock waves in a chain of two-level atoms with exchange and dipole-dipole interactions. <i>Physical Review E</i> , 1997, 56, 7240-7245.	0.8	14

#	ARTICLE	IF	CITATIONS
91	Long-lived matter wave Bloch oscillations and dynamical localization by time-dependent nonlinearity management. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 105302.	0.6	14
92	Behavior of magnetic currents in anisotropic Heisenberg spin chains out of equilibrium. <i>Physical Review E</i> , 2012, 85, 031137.	0.8	14
93	Flat bands and dynamical localization of spin-orbit-coupled Bose-Einstein condensates. <i>Physical Review A</i> , 2018, 98, .	1.0	14
94	Phase manifold geometry of burgers hierarchy. <i>Lettere Al Nuovo Cimento Rivista Internazionale Della SocietÀ Italiana Di Fisica</i> , 1983, 37, 105-110.	0.4	13
95	A mechanical analog for the double sine-Gordon equation. <i>Physica D: Nonlinear Phenomena</i> , 1985, 17, 227-234.	1.3	13
96	Shock wave dynamics in a discrete nonlinear SchrÅrdinger equation with internal losses. <i>Physical Review E</i> , 2000, 62, 8651-8656.	0.8	13
97	Matter waves in anharmonic periodic potentials. <i>Physical Review A</i> , 2008, 77, .	1.0	13
98	Solitons on oscillating and rotating backgrounds. <i>Physical Review Letters</i> , 1993, 70, 3181-3185.	2.9	12
99	Spectral properties of a model potential for quantum dots with smooth boundaries. <i>Physical Review B</i> , 2000, 62, 4230-4233.	1.1	12
100	One-dimensional delocalizing transitions of matter waves in optical lattices. <i>Physica D: Nonlinear Phenomena</i> , 2009, 238, 1372-1387.	1.3	12
101	Quantum-tunneling dynamics of a spin-polarized Fermi gas in a double-well potential. <i>Physical Review A</i> , 2010, 81, .	1.0	12
102	Reduced-density-matrix spectrum and block entropy of permutationally invariant many-body systems. <i>Physical Review E</i> , 2010, 82, 011142.	0.8	12
103	The Interplay between Phase Separation and Gene-Enhancer Communication: A Theoretical Study. <i>Biophysical Journal</i> , 2020, 119, 873-883.	0.2	12
104	Global coordinates for the breather-kink (antikink) sine-Gordon phase space: An explicit separatrix as a possible source of chaos. <i>Physical Review A</i> , 1989, 40, 6463-6469.	1.0	11
105	Lax representation for two-particle dynamics splitting on two tori. <i>Journal of Physics A</i> , 1996, 29, L425-L431.	1.6	11
106	Dynamics of matter-wave solitons in harmonic traps with flashing optical lattices. <i>Physical Review A</i> , 2012, 85, .	1.0	11
107	Optimal transport and von Neumann entropy in a Heisenberg XZ chain out of equilibrium. <i>Physical Review E</i> , 2013, 87, 022108.	0.8	11
108	Compacton matter waves in binary Bose gases under strong nonlinear management. <i>Physical Review A</i> , 2014, 90, .	1.0	11

#	ARTICLE	IF	CITATIONS
109	Stabilization of chaotic phase locked dynamics in long Josephson junctions. Physics Letters, Section A: General, Atomic and Solid State Physics, 1994, 190, 177-181.	0.9	10
110	Modeling Adiabatic N-Soliton Interactions and Perturbations. Theoretical and Mathematical Physics(Russian Federation), 2005, 144, 1138-1146.	0.3	10
111	Solitons in strongly driven discrete nonlinear Schrödinger-type models. Physical Review E, 2007, 75, 016615.	0.8	10
112	Displaced dynamics of binary mixtures in linear and nonlinear optical lattices. Physical Review A, 2012, 85, .	1.0	10
113	Anomalous currents in a driven XZ chain with boundary twisting at weak coupling or weak driving. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P02040.	0.9	10
114	On the phase manifold geometry of the two-dimensional Burgers equations. Physics Letters, Section A: General, Atomic and Solid State Physics, 1987, 121, 15-18.	0.9	9
115	Thermal sine-Gordon system in the presence of different types of dissipation. Physical Review B, 1988, 38, 593-596.	1.1	9
116	Josephson flux-flow oscillators in nonuniform microwave fields. Physical Review B, 2000, 61, 99-102.	1.1	9
117	Full decoherence induced by local fields in open spin chains with strong boundary couplings. New Journal of Physics, 2015, 17, 023066.	1.2	9
118	Ferromagnetic ground states of the Hubbard model on a complete graph. Zeitschrift für Physik B-Condensed Matter, 1996, 101, 619-621.	1.1	8
119	Multidimensional Schrödinger equations with Abelian potentials. Journal of Mathematical Physics, 2002, 43, 2858-2881.	0.5	8
120	Multidimensional semi-gap solitons in a periodic potential. European Physical Journal D, 2006, 38, 367-374.	0.6	8
121	Split and overlapped binary solitons in optical lattices. Physical Review A, 2015, 92, .	1.0	8
122	Nonreciprocal transmission of microwaves through a long Josephson junction. Physical Review B, 2015, 92, .	1.1	8
123	A geometrical approach to discretization of nonlinear integrable evolution equations: I Burger's hierarchy. Physics Letters, Section A: General, Atomic and Solid State Physics, 1984, 101, 75-80.	0.9	7
124	A generalized discrete self-trapping equation as a model for quantum chaology. Physics Letters, Section A: General, Atomic and Solid State Physics, 1989, 142, 479-482.	0.9	7
125	Long Josephson junctions phase locked to microwaves by various couplings. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 156, 293-297.	0.9	7
126	Quantum chaology in the discrete self-trapping equation in the presence of Arnold diffusion. Physica Scripta, 1991, 43, 353-355.	1.2	7

#	ARTICLE	IF	CITATIONS
127	General method to solve Hamiltonians with infinite-range interactions. <i>Physical Review A</i> , 1994, 50, 553-556.	1.0	7
128	Shock waves in one-dimensional Heisenberg ferromagnets. <i>Physical Review B</i> , 1998, 58, 14892-14895.	1.1	7
129	Scaling of the von Neumann entropy across a finite-temperature phase transition. <i>Europhysics Letters</i> , 2008, 84, 30007.	0.7	7
130	Multidimensional discrete compactons in nonlinear Schrödinger lattices with strong nonlinearity management. <i>Physical Review A</i> , 2015, 92, .	1.0	7
131	Dissipative solitons in the discrete Ginzburg-Landau equation with saturable nonlinearity. <i>Physical Review E</i> , 2018, 97, 052208.	0.8	7
132	Reflection of fluxons on a Josephson line from a perturbative point of view. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1981, 87, 116-120.	0.9	6
133	Quantum theories for two discrete nonlinear Schrödinger equations. <i>Nonlinearity</i> , 1991, 4, 853-860.	0.6	6
134	Exact zero energy bound states of a model potential for quantum dots. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000, 276, 240-244.	0.9	6
135	Exact energy bands and Fermi surfaces of separable Abelian potentials. <i>Journal of Physics A</i> , 2001, 34, 943-959.	1.6	6
136	Matter waves and quantum tunneling engineered by time-dependent interactions. <i>Physical Review A</i> , 2010, 81, .	1.0	6
137	Regular and chaotic transport of discrete solitons in asymmetric potentials. <i>Physical Review E</i> , 2010, 82, 016604.	0.8	6
138	“Horseshoe chaos” in the space-independent double sine-Gordon system. <i>Wave Motion</i> , 1986, 8, 581-594.	1.0	5
139	Parametric adiabatic perturbations on the sine-Gordon breather solution. <i>Physica D: Nonlinear Phenomena</i> , 1987, 26, 396-402.	1.3	5
140	Internal oscillation frequencies and anharmonic effects for the double sine-Gordon kink. <i>Physical Review B</i> , 1989, 39, 4500-4503.	1.1	5
141	Phase locking of fluxons in spatially inhomogeneous Josephson junctions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1997, 228, 250-254.	0.9	5
142	Integrable systems on a sphere as models for quantum dots. <i>Journal of Physics A</i> , 2001, 34, 2311-2317.	1.6	5
143	Matter sound waves in two-component Bose-Einstein condensates. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008, 41, 215302.	0.6	5
144	Linear superpositions of nonlinear matter waves in optical lattices. <i>Europhysics Letters</i> , 2011, 93, 30003.	0.7	5

#	ARTICLE	IF	CITATIONS
145	Normal modes in a solitary wave solution to a double sine-Gordon equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 1988, 128, 424-426.	0.9	4
146	Reduced sine-Gordon breather-(anti)kink dynamics and the double sine-Gordon system. Physics Letters, Section A: General, Atomic and Solid State Physics, 1989, 134, 421-423.	0.9	4
147	Effect of thermal noise on the phase locking of a Josephson fluxon oscillator. Physical Review B, 1992, 46, 308-316.	1.1	4
148	Exact analytical solutions for the Hubbard model with unconstrained hopping. Physica Scripta, 1996, 54, 32-35.	1.2	4
149	Quantum shock waves in the HeisenbergXYmodel. Physical Review B, 2000, 62, 352-356.	1.1	4
150	Phase locking of Josephson flux-flow oscillators in non-uniform microwave fields. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 285, 350-354.	0.9	4
151	AC Driven Directed Motion of Solitary Waves. International Journal of Modern Physics B, 2003, 17, 4428-4433.	1.0	4
152	Wannier Functions for Quasiperiodic Finite-Gap Potentials. Theoretical and Mathematical Physics(Russian Federation), 2005, 144, 1081-1099.	0.3	4
153	Linear superpositions of gap solitons in periodic Kerr media. Optics Letters, 2011, 36, 2856.	1.7	4
154	Hierarchy of boundary-driven phase transitions in multispecies particle systems. Physical Review E, 2011, 83, 011130.	0.8	4
155	Superfluidity breakdown of periodic matter waves in quasi-one-dimensional annular traps via resonant scattering with moving defects. Physical Review A, 2013, 87, .	1.0	4
156	SO(4)-invariant basis functions for strongly correlated Fermi systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 217, 269-274.	0.9	3
157	Three-dimensional solitons in cross-combined linear and nonlinear optical lattices. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 115302.	0.6	3
158	Binary matter-wave compactons induced by inter-species scattering length modulations. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 165301.	0.6	3
159	Normal mode oscillations of a nonlocal composite matter wave soliton. Physical Review E, 2018, 98, .	0.8	3
160	On the calculation of the energy spectrum of quantum integrable systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 155, 121-125.	0.9	2
161	On a procedure to evaluate unstable periodic orbits. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 153, 173-176.	0.9	2
162	The Chaoticity Degree of the Campi Flegrei Seismicity, Southern Italy. Geophysical Journal International, 1993, 114, 392-398.	1.0	2

#	ARTICLE	IF	CITATIONS
163	Wannier functions of elliptic one-gap potential. Journal of Physics A, 2004, 37, 9685-9704.	1.6	2
164	Reduced Density Matrix of Permutational Invariant Many-body Systems. Acta Applicandae Mathematicae, 2011, 115, 75-89.	0.5	2
165	REDUCED DENSITY MATRIX AND ENTANGLEMENT ENTROPY OF PERMUTATIONALLY INVARIANT QUANTUM MANY-BODY SYSTEMS. International Journal of Modern Physics B, 2012, 26, 1243009.	1.0	2
166	Multidimensional Solitons and Vortices in Periodic Potentials. , 2004, , 61-80.		2
167	Lyapunov exponent analysis of fluxon oscillations in long Josephson junctions. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 160, 419-423.	0.9	1
168	On the link between SO(4) invariance and Bethe states of the 1D Hubbard model. Physica D: Nonlinear Phenomena, 1998, 119, 200-204.	1.3	1
169	Fluxon reflection at loaded terminations of long Josephson junctions. Physica D: Nonlinear Phenomena, 1983, 8, 267-272.	1.3	0
170	Semiclassical analysis of the eigenstate Wigner functions for the discrete self-trapping equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 1990, 146, 313-318.	0.9	0
171	The Hubbard model on a complete graph: exact analytical results. Zeitschrift für Physik B-Condensed Matter, 1995, 99, 469-471.	1.1	0
172	Relaxation towards phase-locked dynamics in long Josephson junctions. Physical Review B, 1995, 51, 15613-15616.	1.1	0
173	On regular Bethe states and SO(4) invariance of the 1D Hubbard model. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 236, 206-210.	0.9	0
174	Large amplitude spatial fluctuations in the boundary region of the Bose-Einstein condensate in the Gross-Pitaevskii regime. Physica A: Statistical Mechanics and Its Applications, 2003, 325, 455-476.	1.2	0
175	Landau-Zener tunneling of Bose-Einstein condensates in an optical lattice. , 0, , .		0
176	REDUCED DENSITY MATRIX AND ENTANGLEMENT ENTROPY OF PERMUTATIONALLY INVARIANT QUANTUM MANY-BODY SYSTEMS. , 2013, , 119-140.		0
177	Switching pure states of the dissipative Heisenberg XXZ chain by local magnetic fields. Physical Review B, 2019, 100, .	1.1	0
178	Gap-Townes Solitons and Delocalizing Transitions of Multidimensional Bose-Einstein Condensates in Optical Lattices. NATO Science for Peace and Security Series A: Chemistry and Biology, 2009, , 345-357.	0.5	0
179	Eigenvalue Statistics and Eigenstate Wigner Functions for the Discrete Self-Trapping Equation. NATO ASI Series Series B: Physics, 1990, , 511-518.	0.2	0
180	Compactons of Binary Bose Gases in Optical Lattices with Inter-species Scattering Length Management. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
181	Quantum Bound States and Matter Waves Delocalizations. , 2004, , 237-250.		0
182	Two-Component Bose-Einstein Condensates in Optical Lattices. , 2004, , 269-283.		0