

# Panayotis G Kevrekidis

## List of Publications by Year in descending order

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522  
papers

15,704  
citations

19608

61  
h-index

35952

97  
g-index

527  
all docs

527  
docs citations

527  
times ranked

4043  
citing authors

#	ARTICLE	IF	CITATIONS
1	Language competition on lattices. <i>Studies in Applied Mathematics</i> , 2022, 148, 219-247.	1.1	1
2	Unstable dynamics of solitary traveling waves in a lattice with long-range interactions. <i>Wave Motion</i> , 2022, 108, 102836.	1.0	3
3	Discrete embedded solitary waves and breathers in one-dimensional nonlinear lattices. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2022, 425, 127880.	0.9	2
4	Instabilities of a vortex-ring-bright soliton in trapped binary three-dimensional Bose-Einstein condensates. <i>Physical Review A</i> , 2022, 105, .	1.0	11
5	Dark solitons under higher-order dispersion. <i>Optics Letters</i> , 2022, 47, 1174.	1.7	14
6	On-demand generation of dark-bright soliton trains in Bose-Einstein condensates. <i>Physical Review A</i> , 2022, 105, .	1.0	2
7	Dark solitons in a trapped gas of long-range interacting bosons. <i>Physical Review A</i> , 2022, 105, .	1.0	1
8	Rogue and solitary waves in coupled phononic crystals. <i>Physical Review E</i> , 2022, 105, 034202.	0.8	5
9	Measurement and memory in the periodically driven complex Ginzburg-Landau equation. <i>Physical Review E</i> , 2022, 105, 034210.	0.8	1
10	Kink-antikink stripe interactions in the two-dimensional sine-Gordon equation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2022, 109, 106123.	1.7	5
11	Neural networks enforcing physical symmetries in nonlinear dynamical lattices: The case example of the Ablowitz-Ladik model. <i>Physica D: Nonlinear Phenomena</i> , 2022, 434, 133264.	1.3	10
12	Moving discrete breathers in a $\hat{H}^2$ -FPU lattice revisited. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2022, 111, 106435.	1.7	0
13	Stationary multi-kinks in the discrete sine-Gordon equation. <i>Nonlinearity</i> , 2022, 35, 1036-1060.	0.6	5
14	Floquet solitons in square lattices: Existence, stability, and dynamics. <i>Physical Review E</i> , 2022, 105, 044211.	0.8	3
15	Existence, stability, and dynamics of monopole and Alice ring solutions in antiferromagnetic spinor condensates. <i>Physical Review A</i> , 2022, 105, .	1.0	9
16	Theoretical and numerical evidence for the potential realization of the Peregrine soliton in repulsive two-component Bose-Einstein condensates. <i>Physical Review A</i> , 2022, 105, .	1.0	7
17	A spectral analysis of the nonlinear Schrödinger equation in the co-exploding frame. <i>Physica D: Nonlinear Phenomena</i> , 2022, 439, 133396.	1.3	2
18	Breather stripes and radial breathers of the two-dimensional sine-Gordon equation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 94, 105596.	1.7	9

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19	Phase diagram, stability and magnetic properties of nonlinear excitations in spinor Bose-Einstein condensates. <i>New Journal of Physics</i> , 2021, 23, 013015.	1.2	23
20	Stability of topological edge states under strong nonlinear effects. <i>Physical Review B</i> , 2021, 103, .	1.1	37
21	On-demand generation of dark soliton trains in Bose-Einstein condensates. <i>Physical Review A</i> , 2021, 103, .	1.0	13
22	Decay of two-dimensional quantum turbulence in binary Bose-Einstein condensates. <i>Physical Review A</i> , 2021, 103, .	1.0	11
23	Universal reductions and solitary waves of weakly nonlocal defocusing nonlinear Schrödinger equations. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2021, 54, 085702.	0.7	6
24	Rogue waves of ultra-high peak amplitude: a mechanism for reaching up to a thousand times the background level. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2021, 477, 20200842.	1.0	6
25	On some configurations of oppositely charged trapped vortices in the plane. <i>Advances in Applied Mathematics</i> , 2021, 124, 102099.	0.4	0
26	Thermalization in the one-dimensional Salerno model lattice. <i>Physical Review E</i> , 2021, 103, 032211.	0.8	3
27	Easing COVID-19 lockdown measures while protecting the older restricts the deaths to the level of the full lockdown. <i>Scientific Reports</i> , 2021, 11, 5839.	1.6	14
28	Dark-dark soliton breathing patterns in multi-component Bose-Einstein condensates. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2021, 54, 055301.	0.6	13
29	Nonlinear localized modes in two-dimensional hexagonally-packed magnetic lattices. <i>New Journal of Physics</i> , 2021, 23, 043008.	1.2	12
30	Exploring critical points of energy landscapes: From low-dimensional examples to phase field crystal PDEs. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 96, 105679.	1.7	3
31	Kink-antikink interaction forces and bound states in a $\mathbb{Z}_4$ model with quadratic and quartic dispersion. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2021, 54, 225701.	0.7	7
32	Localization in optical systems with an intensity-dependent dispersion. <i>Quarterly of Applied Mathematics</i> , 2021, 79, 641-665.	0.5	4
33	Kink-antikink collisions and multi-bounce resonance windows in higher-order field theories. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 97, 105748.	1.7	39
34	Kink dynamics in a nonlinear beam model. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 97, 105747.	1.7	6
35	Pairwise interactions of ring dark solitons with vortices and other rings: Stationary states, stability features, and nonlinear dynamics. <i>Physical Review A</i> , 2021, 104, .	1.0	3
36	Reaction-diffusion spatial modeling of COVID-19: Greece and Andalusia as case examples. <i>Physical Review E</i> , 2021, 104, 024412.	0.8	23

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37	Spontaneous Formation of Star-Shaped Surface Patterns in a Driven Bose-Einstein Condensate. <i>Physical Review Letters</i> , 2021, 127, 113001.	2.9	16
38	Solitary waves with intensity-dependent dispersion: variational characterization. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2021, 54, 445701.	0.7	4
39	Statistical mechanics of one-dimensional quantum droplets. <i>Physical Review A</i> , 2021, 104, .	1.0	12
40	Normal form for the onset of collapse: The prototypical example of the nonlinear Schrödinger equation. <i>Physical Review E</i> , 2021, 104, 044202.	0.8	3
41	Wave manipulation using a bistable chain with reversible impurities. <i>Physical Review E</i> , 2021, 104, 054209.	0.8	2
42	Formation and quench of homonuclear and heteronuclear quantum droplets in one dimension. <i>Physical Review Research</i> , 2021, 3, .	1.3	19
43	Transverse instability and dynamics of nonlocal bright solitons. <i>Physical Review E</i> , 2021, 104, 064205.	0.8	1
44	Stability analysis of ground states in a one-dimensional trapped spin-1 Bose gas. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 83, 105050.	1.7	5
45	Non-conservative variational approximation for nonlinear Schrödinger equations. <i>European Physical Journal Plus</i> , 2020, 135, 1.	1.2	3
46	Collisions of Three-Component Vector Solitons in Bose-Einstein Condensates. <i>Physical Review Letters</i> , 2020, 125, 170401.	2.9	48
47	Anisotropic diffusion and traveling waves of toxic proteins in neurodegenerative diseases. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126935.	0.9	5
48	Solitary and periodic waves in collisionless plasmas: The Adlam-Allen model revisited. <i>Physical Review E</i> , 2020, 102, 013209.	0.8	7
49	Nonlinear edge modes in a honeycomb electrical lattice near the Dirac points. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126664.	0.9	2
50	On the generation and propagation of solitary waves in integrable and nonintegrable nonlinear lattices. <i>European Physical Journal Plus</i> , 2020, 135, 1.	1.2	6
51	Observation and analysis of multiple dark-antidark solitons in two-component Bose-Einstein condensates. <i>Physical Review A</i> , 2020, 102, .	1.0	27
52	Kuznetsovâ€™Ma breather-like solutions in the Salerno model. <i>European Physical Journal Plus</i> , 2020, 135, 1.	1.2	13
53	Parametrically excited star-shaped patterns at the interface of binary Bose-Einstein condensates. <i>Physical Review A</i> , 2020, 102, .	1.0	27
54	Deflation-based identification of nonlinear excitations of the three-dimensional Gross-Pitaevskii equation. <i>Physical Review A</i> , 2020, 102, .	1.0	12

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55	Dark-antidark spinor solitons in spin-1 Bose gases. <i>Physical Review A</i> , 2020, 102, .	1.0	6
56	Stability of traveling waves in a driven Frenkel-Kontorova model. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 85, 105236.	1.7	4
57	Bifurcation analysis of stationary solutions of two-dimensional coupled Gross-Pitaevskii equations using deflated continuation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 87, 105255.	1.7	19
58	Many-body effects on second-order phase transitions in spinor Bose-Einstein condensates and breathing dynamics. <i>Physical Review A</i> , 2020, 102, .	1.0	8
59	Collision of $\mathbb{Z}_4$ kinks free of the Peierls-Nabarro barrier in the regime of strong discreteness. <i>Chaos, Solitons and Fractals</i> , 2020, 138, 109854.	2.5	12
60	Existence and spectral stability of multi-pulses in discrete Hamiltonian lattice systems. <i>Physica D: Nonlinear Phenomena</i> , 2020, 408, 132414.	1.3	11
61	Vortex pairs in the discrete nonlinear Schrödinger equation. <i>Nonlinearity</i> , 2020, 33, 2159-2180.	0.6	3
62	Nonlinearity and Topology. <i>Advances in Dynamics, Patterns, Cognition</i> , 2020, , 25-54.	0.2	4
63	Kink-antikink interaction forces and bound states in a biharmonic $\mathbb{Z}_4$ model. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020, 53, 375702.	0.7	8
64	Propagation of periodic wave trains along the magnetic field in a collision-free plasma. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020, 53, 425701.	0.7	3
65	Rogue waves and periodic solutions of a nonlocal nonlinear Schrödinger model. <i>Physical Review Research</i> , 2020, 2, .	1.3	8
66	Two-dimensional rogue waves on zero background in a Benney-Roskes model. <i>Physical Review Research</i> , 2020, 2, .	1.3	24
67	Speed-of-light pulses in a massless nonlinear Dirac equation. <i>Physical Review E</i> , 2019, 100, 022210.	0.8	3
68	Nonlinear excitations in magnetic lattices with long-range interactions. <i>New Journal of Physics</i> , 2019, 21, 063032.	1.2	17
69	Quasistable quantum vortex knots and links in anisotropic harmonically trapped Bose-Einstein condensates. <i>Physical Review A</i> , 2019, 99, .	1.0	13
70	Controlled generation of dark-bright soliton complexes in two-component and spinor Bose-Einstein condensates. <i>Physical Review A</i> , 2019, 100, .	1.0	12
71	Dynamics of interacting dark soliton stripes. <i>Physical Review A</i> , 2019, 100, .	1.0	6
72	2D solutions of the hyperbolic discrete nonlinear Schrödinger equation. <i>Physica Scripta</i> , 2019, 94, 115203.	1.2	1

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73	Origami-based impact mitigation via rarefaction solitary wave creation. <i>Science Advances</i> , 2019, 5, eaau2835.	4.7	113
74	Nonlinear waves in an experimentally motivated ring-shaped Bose-Einstein-condensate setup. <i>Physical Review A</i> , 2019, 99, .	1.0	2
75	Evaluating the robustness of rogue waves under perturbations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 2584-2588.	0.9	10
76	Kink-Kink and Kink-Antikink Interactions with Long-Range Tails. <i>Physical Review Letters</i> , 2019, 122, 171601.	2.9	70
77	Dynamics and stabilization of bright soliton stripes in the hyperbolic-dispersion nonlinear Schrödinger equation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019, 74, 268-281.	1.7	8
78	Experimental and numerical observation of dark and bright breathers in the band gap of a diatomic electrical lattice. <i>Physical Review E</i> , 2019, 99, 032206.	0.8	21
79	Discrete Variants of the $\phi^4$ Model: Exceptional Discretizations, Conservation Laws and Related Topics. <i>Advances in Dynamics, Patterns, Cognition</i> , 2019, , 111-136.	0.2	0
80	Ring dark solitons in three-dimensional Bose-Einstein condensates. <i>Physical Review A</i> , 2019, 100, .	1.0	13
81	Linear impurity modes in an electrical lattice: Theory and experiment. <i>Physical Review E</i> , 2019, 100, 062114.	0.8	8
82	Solitary waves in the Ablowitz-Ladik equation with power-law nonlinearity. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2019, 52, 065202.	0.7	5
83	Long-range interactions of kinks. <i>Physical Review D</i> , 2019, 99, .	1.6	65
84	Dynamical transitions between equilibria in a dissipative Klein-Gordon lattice. <i>Journal of Mathematical Analysis and Applications</i> , 2019, 472, 546-576.	0.5	2
85	Reduced dynamics for one and two dark soliton stripes in the defocusing nonlinear Schrödinger equation: A variational approach. <i>Physical Review Research</i> , 2019, 1, .	1.3	4
86	Breathers and other time-periodic solutions in an array of cantilevers decorated with magnets. <i>Mathematics in Engineering</i> , 2019, 1, 489-507.	0.5	4
87	Instabilities via negative Krein signature in a weakly non-Hamiltonian DNLS model. <i>Mathematics in Engineering</i> , 2019, 1, 378-390.	0.5	2
88	$N$ -break states in a chain of nonlinear oscillators. <i>Physical Review E</i> , 2019, 99, 022201.	0.8	0
89	Dark-bright soliton pairs: Bifurcations and collisions. <i>Physical Review A</i> , 2018, 97, .	1.0	13
90	Media with Onsite Forces: The Newton's Cradle and Beyond. <i>SpringerBriefs in Physics</i> , 2018, , 69-76.	0.2	0

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91	Interactions and scattering of quantum vortices in a polariton fluid. <i>Nature Communications</i> , 2018, 9, 1467.	5.8	46
92	Enhanced quantum spin fluctuations in a binary Bose-Einstein condensate. <i>Physical Review A</i> , 2018, 97, .	1.0	9
93	Three-Component Soliton States in Spinor $F < 1 >$ Bose-Einstein Condensates. <i>Physical Review Letters</i> , 2018, 120, 063202.	2.9	89
94	Direct measurement of superdiffusive energy transport in disordered granular chains. <i>Nature Communications</i> , 2018, 9, 640.	5.8	20
95	Bright breathers in nonlinear left-handed metamaterial lattices. <i>Physica Scripta</i> , 2018, 93, 025202.	1.2	12
96	Wave propagation in a strongly nonlinear locally resonant granular crystal. <i>Physica D: Nonlinear Phenomena</i> , 2018, 365, 27-41.	1.3	35
97	On the nonexistence of degenerate phase-shift discrete solitons in a dNLS nonlocal lattice. <i>Physica D: Nonlinear Phenomena</i> , 2018, 370, 1-13.	1.3	10
98	Transverse instabilities of stripe domains in magnetic thin films with perpendicular magnetic anisotropy. <i>Physical Review B</i> , 2018, 97, .	1.1	2
99	Coherent Structures in Granular Crystals. <i>SpringerBriefs in Physics</i> , 2018, , .	0.2	13
100	An energy-based stability criterion for solitary travelling waves in Hamiltonian lattices. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170192.	1.6	13
101	Resonant interaction of $\tilde{4}$ kink with $\text{PT}$ -symmetric perturbation with spatially periodic gain/loss coefficient. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018, 56, 62-76.	1.7	9
102	Computing stationary solutions of the two-dimensional Gross-Pitaevskii equation with deflated continuation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018, 54, 482-499.	1.7	27
103	Non-symmetric kinks in Klein-Gordon chains free of the Peierls-Nabarro potential. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 447, 012057.	0.3	1
104	Planar and radial kinks in nonlinear Klein-Gordon models: Existence, stability, and dynamics. <i>Physical Review E</i> , 2018, 98, .	0.8	9
105	Dissipative shock waves generated by a quantum-mechanical piston. <i>Nature Communications</i> , 2018, 9, 4665.	5.8	22
106	Resonant localized modes in electrical lattices with second-neighbor coupling. <i>Physical Review E</i> , 2018, 98, .	0.8	10
107	Nonlinear Beam Propagation in a Class of Complex Non- $\text{PT}$ -Symmetric Potentials. <i>Springer Tracts in Modern Physics</i> , 2018, , 557-579.	0.1	2
108	Correlation effects in the quench-induced phase separation dynamics of a two species ultracold quantum gas. <i>New Journal of Physics</i> , 2018, 20, 043052.	1.2	68

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109	Spectral and dynamical analysis of a single vortex ring in anisotropic harmonically trapped three-dimensional Bose-Einstein condensates. <i>Physical Review A</i> , 2018, 98, .	1.0	16
110	Dynamics of Dirac solitons in networks. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2018, 51, 435203.	0.7	20
111	Solitary waves of the two-dimensional Camassa-Holm nonlinear Schrödinger equation. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2018, 51, 495202.	0.7	1
112	Solitary Waves in the Nonlinear Dirac Equation. <i>Understanding Complex Systems</i> , 2018, , 89-143.	0.3	5
113	Lattices with internal resonator defects. <i>Physical Review E</i> , 2018, 98, .	0.8	3
114	Phononic rogue waves. <i>Physical Review E</i> , 2018, 98, .	0.8	11
115	Multi-vortex crystal lattices in Bose-Einstein condensates with a rotating trap. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2018, 474, 20170553.	1.0	2
116	Many-body dissipative flow of a confined scalar Bose-Einstein condensate driven by a Gaussian impurity. <i>Physical Review A</i> , 2018, 98, .	1.0	31
117	Quasiperiodic granular chains and Hofstadter butterflies. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170139.	1.6	15
118	Traveling Waves. <i>SpringerBriefs in Physics</i> , 2018, , 23-39.	0.2	0
119	Demonstration of Dispersive Rarefaction Shocks in Hollow Elliptical Cylinder Chains. <i>Physical Review Letters</i> , 2018, 120, 194101.	2.9	14
120	Peregrine solitons and gradient catastrophes in discrete nonlinear Schrödinger systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018, 382, 3064-3070.	0.9	12
121	Hydrodynamics and two-dimensional dark lump solitons for polariton superfluids. <i>Physical Review E</i> , 2018, 98, 022205.	0.8	6
122	Adiabatic invariant analysis of dark and dark-bright soliton stripes in two-dimensional Bose-Einstein condensates. <i>Physical Review A</i> , 2018, 97, .	1.0	7
123	Hamiltonian bifurcation perspective on two interacting vortex pairs: From symmetric to asymmetric leapfrogging, period doubling, and chaos. <i>Physical Review Fluids</i> , 2018, 3, .	1.0	4
124	Dark-bright soliton interactions beyond the integrable limit. <i>Physical Review A</i> , 2017, 95, .	1.0	16
125	Discrete breathers in a mass-in-mass chain with Hertzian local resonators. <i>Physical Review E</i> , 2017, 95, 022904.	0.8	16
126	Two-component dark-bright solitons in three-dimensional atomic Bose-Einstein condensates. <i>Physical Review E</i> , 2017, 95, 032201.	0.8	11



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127	Stability of single and multiple matter-wave dark solitons in collisionally inhomogeneous Bose-Einstein condensates. <i>International Journal of Modern Physics B</i> , 2017, 31, 1742013.	1.0	6
128	From solitons to rogue waves in nonlinear left-handed metamaterials. <i>Physical Review E</i> , 2017, 95, 032223.	0.8	27
129	Experimental Study of Nonlinear Resonances and Anti-Resonances in a Forced, Ordered Granular Chain. <i>Experimental Mechanics</i> , 2017, 57, 505-520.	1.1	11
130	Asymptotic expansions and solitons of the Camassa-Holm nonlinear Schrödinger equation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 3965-3971.	0.9	20
131	Discrete BPS skyrmions. <i>Journal of Mathematical Physics</i> , 2017, 58, 091501.	0.5	0
132	Vortex precession dynamics in general radially symmetric potential traps in two-dimensional atomic Bose-Einstein condensates. <i>Physical Review A</i> , 2017, 96, .	1.0	11
133	Unifying perspective: Solitary traveling waves as discrete breathers in Hamiltonian lattices and energy criteria for their stability. <i>Physical Review E</i> , 2017, 96, 032214.	0.8	19
134	Nonlinear coherent structures in granular crystals. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 413003.	0.7	64
135	On the characterization of vortex configurations in the steady rotating Bose-Einstein condensates. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2017, 473, 20170602.	1.0	2
136	Analysis and observation of moving domain fronts in a ring of coupled electronic self-oscillators. <i>Chaos</i> , 2017, 27, 103125.	1.0	5
137	Emergence of dispersive shocks and rarefaction waves in power-law contact models. <i>Physical Review E</i> , 2017, 95, 062216.	0.8	16
138	Adiabatic Invariant Approach to Transverse Instability: Landau Dynamics of Soliton Filaments. <i>Physical Review Letters</i> , 2017, 118, 244101.	2.9	23
139	Single and multiple vortex rings in three-dimensional Bose-Einstein condensates: Existence, stability, and dynamics. <i>Physical Review A</i> , 2017, 95, .	1.0	24
140	Demonstrating an <i>In Situ</i> Topological Band Transition in Cylindrical Granular Chains. <i>Physical Review Letters</i> , 2017, 119, 024301.	2.9	75
141	Floquet analysis of Kuznetsov-Ma breathers: A path towards spectral stability of rogue waves. <i>Physical Review E</i> , 2017, 96, 012202.	0.8	24
142	Existence, stability, and dynamics of harmonically trapped one-dimensional multi-component solitary waves: The near-linear limit. <i>Journal of Mathematical Physics</i> , 2017, 58, .	0.5	3
143	To infinity and some glimpses of beyond. <i>Nature Communications</i> , 2017, 8, 1562.	5.8	9
144	Many-body quantum dynamics in the decay of bent dark solitons of Bose-Einstein condensates. <i>New Journal of Physics</i> , 2017, 19, 123012.	1.2	34

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145	Kink dynamics in a parametric $\tilde{L}_6$ system: a model with controllably many internal modes. Journal of High Energy Physics, 2017, 2017, 1.	1.6	37
146	Darkâ€‘bright soliton dynamics beyond the mean-field approximation. New Journal of Physics, 2017, 19, 073004.	1.2	52
147	Theoretical and Computational Advances in Nonlinear Dynamical Systems. Advances in Mathematical Physics, 2017, 2017, 1-3.	0.4	1
148	Intrinsic localized modes in coupled DNLS equations from the anti-continuum limit. Mathematics and Computers in Simulation, 2016, 127, 151-165.	2.4	1
149	A PT -Symmetric Dual-Core System with the Sine-Gordon Nonlinearity and Derivative Coupling. Symmetry, 2016, 8, 39.	1.1	5
150	Traveling Waves for the Mass in Mass Model of Granular Chains. Letters in Mathematical Physics, 2016, 106, 1067-1088.	0.5	20
151	Light dynamics in nonlinear trimers and twisted multicore fibers. Journal of Nonlinear Optical Physics and Materials, 2016, 25, 1650042.	1.1	18
152	DUPLICATE: Solitons in coupled nonlinear SchrÃ¶dinger models: A survey of recent developments. Reviews in Physics, 2016, , .	4.4	0
153	Dark solitons near potential and nonlinearity steps. Physical Review A, 2016, 94, .	1.0	8
154	Emergence and analysis of Kuramoto-Sakaguchi-like models as an effective description for the dynamics of coupled Wien-bridge oscillators. Physical Review E, 2016, 94, 062212.	0.8	4
155	Performing Hong-Ou-Mandel-type numerical experiments with repulsive condensates: The case of dark and dark-bright solitons. Physical Review A, 2016, 94, .	1.0	1
156	Existence, stability and dynamics of discrete solitary waves in a binary waveguide array. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 295205.	0.7	3
157	Breathers in a locally resonant granular chain with precompression. Physica D: Nonlinear Phenomena, 2016, 331, 27-47.	1.3	22
158	Energy Criterion for the Spectral Stability of Discrete Breathers. Physical Review Letters, 2016, 117, 094101.	2.9	20
159	Vortex-soliton complexes in coupled nonlinear SchrÃ¶dinger equations with unequal dispersion coefficients. Physical Review E, 2016, 94, 022207.	0.8	13
160	Solitons in coupled nonlinear SchrÃ¶dinger models: A survey of recent developments. Reviews in Physics, 2016, 1, 140-153.	4.4	134
161	Dark spherical shell solitons in three-dimensional Bose-Einstein condensates: Existence, stability, and dynamics. Physical Review A, 2016, 93, .	1.0	21
162	SO(2)-induced breathing patterns in multicomponent Bose-Einstein condensates. Physical Review A, 2016, 93, .	1.0	26

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163	Conical wave propagation and diffraction in two-dimensional hexagonally packed granular lattices. <i>Physical Review E</i> , 2016, 93, 012909.	0.8	9
164	Superdiffusive transport and energy localization in disordered granular crystals. <i>Physical Review E</i> , 2016, 93, 022902.	0.8	28
165	Formation of rarefaction waves in origami-based metamaterials. <i>Physical Review E</i> , 2016, 93, 043004.	0.8	57
166	Nonlinear vibrational-state excitation and piezoelectric energy conversion in harmonically driven granular chains. <i>Physical Review E</i> , 2016, 93, 052203.	0.8	8
167	Stability of Solitary Waves and Vortices in a 2D Nonlinear Dirac Model. <i>Physical Review Letters</i> , 2016, 116, 214101.	2.9	27
168	Generating and manipulating quantized vortices on-demand in a Bose-Einstein condensate: A numerical study. <i>Physical Review A</i> , 2016, 93, .	1.0	17
169	Vector dark-antidark solitary waves in multicomponent Bose-Einstein condensates. <i>Physical Review A</i> , 2016, 94, .	1.0	43
170	Strongly nonlinear waves in locally resonant granular chains. <i>Nonlinearity</i> , 2016, 29, 3496-3527.	0.6	21
171	Nonlinear Instabilities of Multi-Site Breathers in Klein-Gordon Lattices. <i>Studies in Applied Mathematics</i> , 2016, 137, 214-237.	1.1	11
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