

Dumitru Mihalache

List of Publications by Year in descending order

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papers

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29994

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324
docs citations

324
times ranked

2205
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatiotemporal optical solitons. Journal of Optics B: Quantum and Semiclassical Optics, 2005, 7, R53-R72.	1.4	765
2	Models of few optical cycle solitons beyond the slowly varying envelope approximation. Physics Reports, 2013, 523, 61-126.	10.3	328
3	Stable Spinning Optical Solitons in Three Dimensions. Physical Review Letters, 2002, 88, 073902.	2.9	208
4	Exact soliton solutions and nonlinear modulation instability in spinor Bose-Einstein condensates. Physical Review A, 2005, 72, .	1.0	194
5	Versatile rogue waves in scalar, vector, and multidimensional nonlinear systems. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 463001.	0.7	170
6	Lattice solitons in PT -symmetric mixed linear-nonlinear optical lattices. Physical Review A, 2012, 85, .	1.0	161
7	Dyakonov Surface Waves: A Review. Electromagnetics, 2008, 28, 126-145.	0.3	149
8	Exact dispersion relations for transverse magnetic polarized guided waves at a nonlinear interface. Optics Letters, 1987, 12, 187.	1.7	147
9	Stable Vortex Tori in the Three-Dimensional Cubic-Quintic Ginzburg-Landau Equation. Physical Review Letters, 2006, 97, 073904.	2.9	139
10	Few-optical-cycle solitons: Modified Korteweg-de Vries sine-Gordon equation versus other non-slowly-varying-envelope-approximation models. Physical Review A, 2009, 79, .	1.0	131
11	Walking Solitons in Quadratic Nonlinear Media. Physical Review Letters, 1996, 77, 2455-2458.	2.9	128
12	Stable vortex solitons in the two-dimensional Ginzburg-Landau equation. Physical Review E, 2000, 63, 016605.	0.8	123
13	Stable three-dimensional spatiotemporal solitons in a two-dimensional photonic lattice. Physical Review E, 2004, 70, 055603.	0.8	117
14	Vector rogue waves in the Manakov system: diversity and compossibility. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 215202.	0.7	112
15	P-Polarized nonlinear surface polaritons in layered structures. European Physical Journal B, 1982, 47, 167-173.	0.6	111
16	Multipole vector solitons in nonlocal nonlinear media. Optics Letters, 2006, 31, 1483.	1.7	109
17	Stable Spatiotemporal Solitons in Bessel Optical Lattices. Physical Review Letters, 2005, 95, 023902.	2.9	108
18	IV Nonlinear Wave Propagation in Planar Structures. Progress in Optics, 1989, 27, 227-313.	0.4	106

#	ARTICLE	IF	CITATIONS
19	Vortex stability in nearly-two-dimensional Bose-Einstein condensates with attraction. <i>Physical Review A</i> , 2006, 73, .	1.0	106
20	Painlevé analysis and bright solitary waves of the higher-order nonlinear Schrödinger equation containing third-order dispersion and self-steepening term. <i>Physical Review E</i> , 1997, 56, 1064-1070.	0.8	103
21	On multidimensional solitons and their legacy in contemporary Atomic, Molecular and Optical physics. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 170502.	0.6	97
22	Stability of vortex solitons in the cubic-quintic model. <i>Physica D: Nonlinear Phenomena</i> , 2002, 161, 187-201.	1.3	96
23	Subwavelength Plasmonic Lattice Solitons in Arrays of Metallic Nanowires. <i>Physical Review Letters</i> , 2010, 104, 106802.	2.9	95
24	Stability of spinning ring solitons of the cubic-quintic nonlinear Schrödinger equation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2001, 288, 292-298.	0.9	94
25	One-soliton shaping and two-soliton interaction in the fifth-order variable-coefficient nonlinear Schrödinger equation. <i>Nonlinear Dynamics</i> , 2019, 95, 369-380.	2.7	90
26	Three-dimensional spinning solitons in the cubic-quintic nonlinear medium. <i>Physical Review E</i> , 2000, 61, 7142-7145.	0.8	88
27	Soliton "molecules": Robust clusters of spatiotemporal optical solitons. <i>Physical Review E</i> , 2003, 67, 046610.	0.8	88
28	Varieties of Stable Vortical Solitons in Ginzburg-Landau Media with Radially Inhomogeneous Losses. <i>Physical Review Letters</i> , 2010, 105, 213901.	2.9	86
29	Inverse-scattering approach to femtosecond solitons in monomode optical fibers. <i>Physical Review E</i> , 1993, 48, 4699-4709.	0.8	84
30	Stable vortex dipoles in nonrotating Bose-Einstein condensates. <i>Physical Review A</i> , 2003, 68, .	1.0	84
31	Third-Order Nonlinear Electromagnetic TE and TM Guided Waves. <i>Modern Problems in Condensed Matter Sciences</i> , 1991, , 73-287.	0.1	82
32	Three-dimensional spatiotemporal optical solitons in nonlocal nonlinear media. <i>Physical Review E</i> , 2006, 73, 025601.	0.8	80
33	Stability of dissipative optical solitons in the three-dimensional cubic-quintic Ginzburg-Landau equation. <i>Physical Review A</i> , 2007, 75, .	1.0	77
34	Stable three-dimensional spinning optical solitons supported by competing quadratic and cubic nonlinearities. <i>Physical Review E</i> , 2002, 66, 016613.	0.8	75
35	Globally linked vortex clusters in trapped wave fields. <i>Physical Review E</i> , 2002, 66, 036612.	0.8	73
36	Exact soliton-on-plane-wave solutions for two-component Bose-Einstein condensates. <i>Physical Review E</i> , 2006, 73, 066610.	0.8	73

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37	Few-cycle nonlinear optics of multicomponent media. <i>Physical Review A</i> , 2006, 74, .	1.0	72
38	Robust Propagation of Two-Color Soliton Clusters Supported by Competing Nonlinearities. <i>Physical Review Letters</i> , 2002, 89, 273902.	2.9	68
39	Completely resonant collision of lumps and line solitons in the Kadomtsev-Petviashvili I equation. <i>Studies in Applied Mathematics</i> , 2021, 147, 1007-1035.	1.1	66
40	Families of exact solutions of a new extended $(2+1)$ -dimensional Boussinesq equation. <i>Nonlinear Dynamics</i> , 2018, 91, 2593-2605.	2.7	65
41	Soliton dynamics in a fractional complex Ginzburg-Landau model. <i>Chaos, Solitons and Fractals</i> , 2020, 131, 109471.	2.5	65
42	Vortex solitons in fractional nonlinear Schrödinger equation with the cubic-quintic nonlinearity. <i>Chaos, Solitons and Fractals</i> , 2020, 137, 109783.	2.5	63
43	P -symmetric nonlocal Davey-Stewartson I equation: Soliton solutions with nonzero background. <i>Physica D: Nonlinear Phenomena</i> , 2020, 401, 132180.	1.3	62
44	Exact solution for nonlinear thin-film guided waves in higher-order nonlinear media. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1988, 5, 565.	0.9	61
45	Quasiadiabatic following of femtosecond optical pulses in a weakly excited semiconductor. <i>Physical Review A</i> , 1997, 56, 1569-1576.	1.0	60
46	The Riemann problem method for solving a perturbed nonlinear Schrodinger equation describing pulse propagation in optic fibres. <i>Journal of Physics A</i> , 1994, 27, 6177-6189.	1.6	59
47	Generation, compression, and propagation of pulse trains in the nonlinear Schrödinger equation with distributed coefficients. <i>Physical Review E</i> , 2005, 72, 036614.	0.8	59
48	Exact solutions of the Gross-Pitaevskii equation for stable vortex modes in two-dimensional Bose-Einstein condensates. <i>Physical Review A</i> , 2010, 81, .	1.0	59
49	Asymmetric spatio-temporal optical solitons in media with quadratic nonlinearity. <i>Optics Communications</i> , 1998, 152, 365-370.	1.0	58
50	Stationary trapping of light beams in bulk second-order nonlinear media. <i>Optics Communications</i> , 1995, 121, 149-155.	1.0	56
51	Tandem light bullets. <i>Optics Communications</i> , 2001, 199, 277-281.	1.0	56
52	Stable solitons of even and odd parities supported by competing nonlocal nonlinearities. <i>Physical Review E</i> , 2006, 74, 066614.	0.8	56
53	Stability of spatial solitary waves in quadratic media. <i>Optics Letters</i> , 1995, 20, 2183.	1.7	55
54	Stability of Walking Vector Solitons. <i>Physical Review Letters</i> , 1998, 81, 4353-4356.	2.9	55

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55	Generation of surface soliton arrays. <i>Optics Letters</i> , 2006, 31, 2329.	1.7	54
56	Generation of stable multi-vortex clusters in a dissipative medium with anti-cubic nonlinearity. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 2579-2583.	0.9	53
57	Erupting, flat-top, and composite spiral solitons in the two-dimensional Ginzburg-Landau equation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2001, 289, 59-65.	0.9	51
58	Solitons in PT-symmetric optical lattices with spatially periodic modulation of nonlinearity. <i>Optics Communications</i> , 2012, 285, 3320-3324.	1.0	50
59	Families of fundamental and multipole solitons in a cubic-quintic nonlinear lattice in fractional dimension. <i>Chaos, Solitons and Fractals</i> , 2021, 144, 110589.	2.5	50
60	Two-parameter family of exact solutions of the nonlinear Schrödinger equation describing optical-soliton propagation. <i>Physical Review A</i> , 1993, 47, 3285-3290.	1.0	49
61	Robust soliton clusters in media with competing cubic and quintic nonlinearities. <i>Physical Review E</i> , 2003, 68, 046612.	0.8	49
62	Generation, compression and propagation of pulse trains under higher-order effects. <i>Optics Communications</i> , 2006, 263, 328-336.	1.0	49
63	Stable spatiotemporal spinning solitons in a bimodal cubic-quintic medium. <i>Physical Review E</i> , 2003, 67, 056608.	0.8	48
64	Stabilization of single- and multi-peak solitons in the fractional nonlinear Schrödinger equation with a trapping potential. <i>Chaos, Solitons and Fractals</i> , 2020, 140, 110222.	2.5	48
65	Elliptical light bullets. <i>Optics Communications</i> , 1999, 159, 129-138.	1.0	47
66	Symmetry breaking of spatial Kerr solitons in fractional dimension. <i>Chaos, Solitons and Fractals</i> , 2020, 132, 109602.	2.5	47
67	Bistable States of s-Polarized Nonlinear Waves Guided by an Asymmetric Three Layer Dielectric Structure. <i>Physica Scripta</i> , 1984, 30, 335-340.	1.2	46
68	Soliton solutions for a perturbed nonlinear Schrodinger equation. <i>Journal of Physics A</i> , 1993, 26, L757-L765.	1.6	46
69	p-Polarized Nonlinear Surface Waves in Symmetric Layered Structures. <i>Physica Scripta</i> , 1984, 29, 269-275.	1.2	45
70	Three-dimensional walking spatiotemporal solitons in quadratic media. <i>Physical Review E</i> , 2000, 62, 7340-7347.	0.8	45
71	Three-dimensional parallel vortex rings in Bose-Einstein condensates. <i>Physical Review A</i> , 2004, 70, .	1.0	45
72	Stable discrete surface light bullets. <i>Optics Express</i> , 2007, 15, 589.	1.7	45

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73	Collisions between coaxial vortex solitons in the three-dimensional cubic-quintic complex Ginzburg-Landau equation. <i>Physical Review A</i> , 2008, 77, .	1.0	45
74	Smooth positon solutions of the focusing modified Korteweg-de Vries equation. <i>Nonlinear Dynamics</i> , 2017, 89, 2299-2310.	2.7	45
75	Spatiotemporal surface solitons in two-dimensional photonic lattices. <i>Optics Letters</i> , 2007, 32, 3173.	1.7	44
76	Semi-rational solutions for the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml34" display="inline" overflow="scroll" altimg="si34.gif"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle$ nonlocal Fokas system. <i>Applied Mathematics Letters</i> , 2018, 80, 27-34.	1.5	44
77	Families of stable solitons and excitations in the PT-symmetric nonlinear Schrödinger equations with position-dependent effective masses. <i>Scientific Reports</i> , 2017, 7, 1257.	1.6	43
78	Localized multidimensional femtosecond optical pulses in an off-resonance two-level medium. <i>Optics Communications</i> , 2000, 181, 345-351.	1.0	42
79	Doubly localized rogue waves on a background of dark solitons for the Fokas system. <i>Applied Mathematics Letters</i> , 2021, 121, 107435.	1.5	42
80	Stability limits for three-dimensional vortex solitons in the Ginzburg-Landau equation with the cubic-quintic nonlinearity. <i>Physical Review A</i> , 2007, 76, .	1.0	40
81	Rogue-wave bullets in a composite (2+1)D nonlinear medium. <i>Optics Express</i> , 2016, 24, 15251.	1.7	40
82	Spinning solitons in cubic-quintic nonlinear media. <i>Pramana - Journal of Physics</i> , 2001, 57, 1041-1059.	0.9	39
83	Breatherlike solitons extracted from the Peregrine rogue wave. <i>Physical Review E</i> , 2014, 90, 062909.	0.8	39
84	Metastable soliton necklaces supported by fractional diffraction and competing nonlinearities. <i>Optics Express</i> , 2020, 28, 34472.	1.7	39
85	Collapse of ultrashort spatiotemporal pulses described by the cubic generalized Kadomtsev-Petviashvili equation. <i>Physical Review A</i> , 2010, 81, .	1.0	38
86	Soliton clusters in three-dimensional media with competing cubic and quintic nonlinearities. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2004, 6, S333-S340.	1.4	37
87	Lattice solitons in optical media described by the complex Ginzburg-Landau model with $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi mathvariant="script"} \rangle \text{PT} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -symmetric periodic potentials. <i>Physical Review A</i> , 2013, 87, .	1.0	37
88	Stationary walking solitons in bulk quadratic nonlinear media. <i>Optics Communications</i> , 1997, 137, 113-117.	1.0	36
89	Stable vortex solitons in the Ginzburg-Landau model of a two-dimensional lasing medium with a transverse grating. <i>Physical Review A</i> , 2009, 80, .	1.0	36
90	Ultrashort spatiotemporal optical solitons in quadratic nonlinear media: Generation of line and lump solitons from few-cycle input pulses. <i>Physical Review A</i> , 2009, 80, .	1.0	36

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91	Optical Dyakonov surface waves at magnetic interfaces. <i>Optics Letters</i> , 2005, 30, 3075.	1.7	35
92	On stability of vortices in three-dimensional self-attractive Bose-Einstein condensates. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 361, 336-340.	0.9	35
93	Crescent vortex solitons in strongly nonlocal nonlinear media. <i>Physical Review A</i> , 2008, 78, .	1.0	35
94	New type of guided waves in birefringent media. <i>IEEE Photonics Technology Letters</i> , 1993, 5, 201-203.	1.3	34
95	Two-dimensional solitons with hidden and explicit vorticity in bimodal cubic-quintic media. <i>Physical Review E</i> , 2005, 71, 026615.	0.8	34
96	Multiple-humped bright solitary waves in second-order nonlinear media. <i>Optical Engineering</i> , 1996, 35, 1616.	0.5	33
97	Stable vortex solitons supported by competing quadratic and cubic nonlinearities. <i>Physical Review E</i> , 2004, 69, 066614.	0.8	33
98	Families of rational solutions of the γ -nonlocal Davey-Stewartson II equation. <i>Nonlinear Dynamics</i> , 2017, 90, 2445-2455.	2.7	33
99	Dynamics and interaction scenarios of localized wave structures in the Kadomtsev-Petviashvili-based system. <i>Applied Mathematics Letters</i> , 2019, 94, 166-173.	1.5	33
100	Nonlinear TE-polarized surface plasmon polaritons guided by metal films. <i>Optics Communications</i> , 1986, 59, 391-394.	1.0	32
101	Subwavelength vortical plasmonic lattice solitons. <i>Optics Letters</i> , 2011, 36, 1179.	1.7	32
102	Three-dimensional vortex solitons in quasi-two-dimensional lattices. <i>Physical Review E</i> , 2007, 76, 026604.	0.8	31
103	Spatiotemporal optical solitons in carbon nanotube arrays. <i>Physical Review A</i> , 2012, 86, .	1.0	31
104	Two-dimensional solitons in triangular photonic lattices with parity-time symmetry. <i>Optics Communications</i> , 2015, 335, 146-152.	1.0	31
105	Reduction in the $(4+1)$ -dimensional Fokas equation and their solutions. <i>Nonlinear Dynamics</i> , 2020, 99, 3013-3028.	2.7	31
106	Super chirped rogue waves in optical fibers. <i>Optics Express</i> , 2019, 27, 11370.	1.7	31
107	An additional kind of nonlinear s-polarized surface plasmon polaritons. <i>Solid State Communications</i> , 1986, 59, 151-153.	0.9	30
108	Nonlinear transmission resonances at stratified dielectric media. <i>Physics Reports</i> , 1990, 194, 325-342.	10.3	30

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109	Interaction of few-optical-cycle solitons. <i>Physical Review A</i> , 2008, 78, .	1.0	30
110	TM-polarized nonlinear guided waves in multilayer systems. <i>IEEE Journal of Quantum Electronics</i> , 1991, 27, 238-242.	1.0	29
111	Walking light bullets. <i>Optics Communications</i> , 1999, 169, 341-356.	1.0	29
112	Ultrashort light bullets described by the two-dimensional sine-Gordon equation. <i>Physical Review A</i> , 2010, 81, .	1.0	29
113	Exact soliton solutions and their stability control in the nonlinear Schrödinger equation with spatiotemporally modulated nonlinearity. <i>Physical Review E</i> , 2011, 83, 016602.	0.8	29
114	Exact solutions with elastic interactions for the (2+1)-dimensional extended Kadomtsev-Petviashvili equation. <i>Nonlinear Dynamics</i> , 2020, 101, 2413-2422.	2.7	29
115	Symmetry-breaking bifurcations and ghost states in the fractional nonlinear Schrödinger equation with a PT-symmetric potential. <i>Optics Letters</i> , 2021, 46, 3267.	1.7	29
116	Two-color walking Peregrine solitary waves. <i>Optics Letters</i> , 2017, 42, 3514.	1.7	28
117	Soliton content with quadratic nonlinearities. <i>Optics Communications</i> , 1999, 164, 153-159.	1.0	27
118	Soliton dynamics of symmetry-endowed two-soliton solutions of the nonlinear Schrödinger equation. <i>Chaos</i> , 2000, 10, 625-640.	1.0	27
119	Stable two-dimensional spinning solitons in a bimodal cubic-quintic model with four-wave mixing. <i>Journal of Optics</i> , 2002, 4, 615-623.	1.5	27
120	Bound states of one-, two-, and three-dimensional solitons in complex Ginzburg-Landau equations with a linear potential. <i>Optics Letters</i> , 2009, 34, 2976.	1.7	27
121	Stable topological modes in two-dimensional Ginzburg-Landau models with trapping potentials. <i>Physical Review A</i> , 2010, 82, .	1.0	27
122	Spinning bearing-shaped solitons in strongly nonlocal nonlinear media. <i>Physical Review A</i> , 2008, 77, .	1.0	26
123	Elliptic vortices in composite Mathieu lattices. <i>Physical Review A</i> , 2009, 79, .	1.0	26
124	Spatiotemporal vortex solitons in hexagonal arrays of waveguides. <i>Physical Review A</i> , 2011, 83, .	1.0	26
125	Analytic method for solving the nonlinear Schrodinger equation describing pulse propagation in dispersive optic fibres. <i>Journal of Physics A</i> , 1993, 26, 2679-2697.	1.6	25
126	Walking solitons in type II second-harmonic generation. <i>Physical Review E</i> , 1997, 56, R6294-R6297.	0.8	25

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127	Arresting Wave Collapse by Wave Self-Rectification. <i>Physical Review Letters</i> , 2003, 91, 063904.	2.9	25
128	Stable three-dimensional solitons in attractive Bose-Einstein condensates loaded in an optical lattice. <i>Physical Review A</i> , 2005, 72, .	1.0	25
129	Stable flat-top solitons and peakons in the PT-symmetric \hat{H} -signum potentials and nonlinear media. <i>Chaos</i> , 2019, 29, 083108.	1.0	25
130	Soliton formation and stability under the interplay between parity-time-symmetric generalized Scarf-II potentials and Kerr nonlinearity. <i>Physical Review E</i> , 2020, 102, 012216.	0.8	25
131	Propagation dynamics of radially polarized symmetric Airy beams in the fractional Schrödinger equation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021, 404, 127403.	0.9	25
132	Hybrid waves guided by ultrathin films. <i>Journal of Lightwave Technology</i> , 1995, 13, 2027-2033.	2.7	24
133	Formation of complex two-dimensional dissipative solitons via spontaneous symmetry breaking. <i>Physical Review A</i> , 2014, 90, .	1.0	24
134	Controlling temporal solitary waves in the generalized inhomogeneous coupled nonlinear Schrödinger equations with varying source terms. <i>Journal of Mathematical Physics</i> , 2015, 56, 053508.	0.5	24
135	Optical solitons in media with focusing and defocusing saturable nonlinearity and a parity-time-symmetric external potential. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170378.	1.6	24
136	Spatiotemporal discrete multicolor solitons. <i>Physical Review E</i> , 2004, 70, 066618.	0.8	23
137	Stable vortex solitons in a vectorial cubic-quintic model. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2004, 6, S341-S350.	1.4	23
138	Enhanced localization of Dyakonov-like surface waves in left-handed materials. <i>Physical Review B</i> , 2006, 74, .	1.1	23
139	Interface discrete light bullets in waveguide arrays. <i>Optics Letters</i> , 2007, 32, 2091.	1.7	23
140	Few-optical-cycle dissipative solitons. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010, 43, 375205.	0.7	23
141	Models for supercontinuum generation beyond the slowly-varying-envelope approximation. <i>Physical Review A</i> , 2014, 90, .	1.0	23
142	Quadratic fractional solitons. <i>Chaos, Solitons and Fractals</i> , 2022, 154, 111586.	2.5	23
143	Azimuthal instability of spinning spatiotemporal solitons. <i>Physical Review E</i> , 2000, 62, R1505-R1508.	0.8	22
144	Stable counter-rotating vortex pairs in saturable media. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 364, 231-234.	0.9	22

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145	Circularly polarized few-optical-cycle solitons in Kerr media: A complex modified Korteweg-de Vries model. <i>Optics Communications</i> , 2012, 285, 356-363.	1.0	22
146	Derivation of a modified Korteweg-de Vries model for few-optical-cycles soliton propagation from a general Hamiltonian. <i>Optics Communications</i> , 2012, 285, 3179-3186.	1.0	22
147	Collisions of three-dimensional bipolar optical solitons in an array of carbon nanotubes. <i>Physical Review A</i> , 2016, 94, .	1.0	22
148	Rational and semi-rational solutions of the $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml64" display="inline" overflow="scroll" altimg="si2.gif"} \rangle \langle \text{mml:mi} \rangle y \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -nonlocal Davey-Stewartson I equation. <i>Computers and Mathematics With Applications</i> , 2018, 75, 3317-3330.	1.4	22
149	Nonlocal $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle M \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -component nonlinear Schrödinger equations: Bright solitons, energy-sharing collisions, and positons. <i>Physical Review E</i> , 2020, 102, 032201.	0.8	22
150	Multiple-order line rogue wave solutions of extended Kadomtsev-Petviashvili equation. <i>Mathematics and Computers in Simulation</i> , 2021, 180, 251-257.	2.4	22
151	Hybrid surface plasmon polaritons guided by ultrathin metal films. <i>Optical and Quantum Electronics</i> , 1994, 26, 857-863.	1.5	21
152	Multicolor vortex solitons in two-dimensional photonic lattices. <i>Physical Review E</i> , 2005, 71, 016616.	0.8	21
153	Spatiotemporal vortices in optical fiber bundles. <i>Physical Review A</i> , 2008, 77, .	1.0	21
154	Collisions between discrete surface spatiotemporal solitons in nonlinear waveguide arrays. <i>Physical Review A</i> , 2009, 79, .	1.0	21
155	Families of gap solitons and their complexes in media with saturable nonlinearity and fractional diffraction. <i>Nonlinear Dynamics</i> , 2022, 108, 1671-1680.	2.7	21
156	Stability of nonlinear stationary slab-guided waves in saturable media: A numerical analysis. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1987, 122, 381-384.	0.9	20
157	Exact solutions of nonlinear Schrödinger equation for positive group velocity dispersion. <i>Journal of Mathematical Physics</i> , 1992, 33, 2323-2328.	0.5	20
158	Spatiotemporal discrete surface solitons in binary waveguide arrays. <i>Optics Express</i> , 2007, 15, 10718.	1.7	20
159	Spatiotemporal surface Ginzburg-Landau solitons. <i>Physical Review A</i> , 2008, 77, .	1.0	20
160	Few-cycle spatiotemporal optical solitons in waveguide arrays. <i>Physical Review A</i> , 2017, 95, .	1.0	20
161	Nonlinear hybrid waves guided by birefringent interfaces. <i>Electronics Letters</i> , 1993, 29, 1186.	0.5	19
162	Linear stability analysis of walking vector solitons. <i>Physical Review E</i> , 1999, 60, 7504-7510.	0.8	19

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163	Dynamics of soliton interaction solutions of the Davey-Stewartson I equation. <i>Physical Review E</i> , 2022, 105, 014218.	0.8	19
164	Transformation of multipole and vortex solitons in the nonlocal nonlinear fractional Schrödinger equation by means of Lévy-index management. <i>Chaos, Solitons and Fractals</i> , 2022, 157, 111995.	2.5	19
165	Analytic method for solving the modified nonlinear Schrödinger equation describing soliton propagation along optical fibers. <i>Physical Review A</i> , 1993, 47, 3190-3194.	1.0	18
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