

# Dumitru Mihalache

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

306  
papers

8,603  
citations

49  
h-index

76  
g-index

324  
ext. papers

9,583  
ext. citations

3.1  
avg, IF

6.35  
L-index

#	Paper	IF	Citations
306	Dynamics of soliton interaction solutions of the Davey-Stewartson I equation.. <i>Physical Review E</i> , <b>2022</b> , 105, 014218	2.4	4
305	Photonic rogue waves in a strongly dispersive coupled-cavity array involving self-attractive Kerr nonlinearity. <i>Physical Review A</i> , <b>2022</b> , 105,	2.6	2
304	Families of gap solitons and their complexes in media with saturable nonlinearity and fractional diffraction. <i>Nonlinear Dynamics</i> , <b>2022</b> , 108, 1671-1680	5	3
303	Transformation of multipole and vortex solitons in the nonlocal nonlinear fractional Schrödinger equation by means of L <sub>y</sub> -index management. <i>Chaos, Solitons and Fractals</i> , <b>2022</b> , 157, 111995	9.3	0
302	General rogue wave solutions under SU(2) transformation in the vector Chen-Lee-Liu nonlinear Schrödinger equation. <i>Physica D: Nonlinear Phenomena</i> , <b>2022</b> , 434, 133204	3.3	2
301	Dynamics of general higher-order rogue waves in the two-component nonlinear Schrödinger equation coupled to the Boussinesq equation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2022</b> , 110, 106382	3.7	0
300	Resonant collision of lumps with homoclinic orbits in the two-dimensional multi-component long-wave-short-wave resonance interaction systems. <i>Physica D: Nonlinear Phenomena</i> , <b>2022</b> , 133281	3.3	0
299	Quadratic fractional solitons. <i>Chaos, Solitons and Fractals</i> , <b>2021</b> , 154, 111586	9.3	1
298	Resonant collisions among two-dimensional localized waves in the Melnikov equation. <i>Nonlinear Dynamics</i> , <b>2021</b> , 106, 2431	5	2
297	On general solitons in the parity-time-symmetric defocusing nonlinear Schrödinger equation. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , <b>2021</b> , 72, 1	1.6	1
296	Families of fundamental and multipole solitons in a cubic-quintic nonlinear lattice in fractional dimension. <i>Chaos, Solitons and Fractals</i> , <b>2021</b> , 144, 110589	9.3	19
295	Bubbles and W-shaped solitons in Kerr media with fractional diffraction. <i>Nonlinear Dynamics</i> , <b>2021</b> , 104, 4253	5	7
294	Completely resonant collision of lumps and line solitons in the Kadomtsev-Petviashvili I equation. <i>Studies in Applied Mathematics</i> , <b>2021</b> , 147, 1007-1035	2.1	19
293	Symmetry-breaking bifurcations and ghost states in the fractional nonlinear Schrödinger equation with a PT-symmetric potential. <i>Optics Letters</i> , <b>2021</b> , 46, 3267-3270	3	4
292	Dynamics of lump-soliton solutions to the PT-symmetric nonlocal Fokas system. <i>Wave Motion</i> , <b>2021</b> , 101, 102685	1.8	3
291	Multiple-order line rogue wave solutions of extended Kadomtsev-Petviashvili equation. <i>Mathematics and Computers in Simulation</i> , <b>2021</b> , 180, 251-257	3.3	10
290	Rational and semi-rational solutions to the asymmetric Nizhnik-Novikov-Veselov system. <i>Journal of Physics A: Mathematical and Theoretical</i> , <b>2021</b> , 54, 095703	2	4

289	External light control of three-dimensional ultrashort far-infrared pulses in an inhomogeneous array of carbon nanotubes. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	3
288	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> , <b>2021</b> , 404, 127403	2.3	7
287	Omnipresent coexistence of rogue waves in a nonlinear two-wave interference system and its explanation by modulation instability. <i>Physical Review Research</i> , <b>2021</b> , 3,	3.9	6
286	Flat-floor bubbles, dark solitons, and vortices stabilized by inhomogeneous nonlinear media. <i>Nonlinear Dynamics</i> , <b>2021</b> , 106, 815-830	5	1
285	Solitons in spin-orbit-coupled systems with fractional spatial derivatives. <i>Chaos, Solitons and Fractals</i> , <b>2021</b> , 152, 111406	9.3	5
284	Doubly localized rogue waves on a background of dark solitons for the Fokas system. <i>Applied Mathematics Letters</i> , <b>2021</b> , 121, 107435	3.5	17
283	Rogue breathers and rogue lumps on a background of dark line solitons for the Maccari system. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2021</b> , 102, 105943	3.7	3
282	Emulation of spin-orbit coupling for solitons in nonlinear optical media. <i>Physical Review A</i> , <b>2020</b> , 101,	2.6	5
281	Several categories of exact solutions of the third-order flow equation of the Kaup-Newell system. <i>Nonlinear Dynamics</i> , <b>2020</b> , 100, 2839-2858	5	5
280	Vortex solitons in fractional nonlinear Schrödinger equation with the cubic-quintic nonlinearity. <i>Chaos, Solitons and Fractals</i> , <b>2020</b> , 137, 109783	9.3	29
279	Reduction in the $(4+1)$ -dimensional Fokas equation and their solutions. <i>Nonlinear Dynamics</i> , <b>2020</b> , 99, 3013-3028	5	14
278	Symmetry breaking of spatial Kerr solitons in fractional dimension. <i>Chaos, Solitons and Fractals</i> , <b>2020</b> , 132, 109602	9.3	29
277	Metastable soliton necklaces supported by fractional diffraction and competing nonlinearities. <i>Optics Express</i> , <b>2020</b> , 28, 34472-34488	3.3	19
276	Soliton dynamics in a fractional complex Ginzburg-Landau model. <i>Chaos, Solitons and Fractals</i> , <b>2020</b> , 131, 109471	9.3	39
275	Soliton formation and stability under the interplay between parity-time-symmetric generalized Scarf-II potentials and Kerr nonlinearity. <i>Physical Review E</i> , <b>2020</b> , 102, 012216	2.4	12
274	Peregrine Solitons on a Periodic Background in the Vector Cubic-Quintic Nonlinear Schrödinger Equation. <i>Frontiers in Physics</i> , <b>2020</b> , 8,	3.9	5
273	Stabilization of single- and multi-peak solitons in the fractional nonlinear Schrödinger equation with a trapping potential. <i>Chaos, Solitons and Fractals</i> , <b>2020</b> , 140, 110222	9.3	18
272	Exact solutions with elastic interactions for the $(2+1)$ -dimensional extended Kadomtsev-Petviashvili equation. <i>Nonlinear Dynamics</i> , <b>2020</b> , 101, 2413-2422	5	11

271	Rogue waves and modulation instability in an extended Manakov system. <i>Nonlinear Dynamics</i> , <b>2020</b> , 102, 1801-1812	5	8
270	Nonlocal M-component nonlinear Schrödinger equations: Bright solitons, energy-sharing collisions, and positons. <i>Physical Review E</i> , <b>2020</b> , 102, 032201	2.4	5
269	PT-symmetric nonlocal Davey-Stewartson I equation: Soliton solutions with nonzero background. <i>Physica D: Nonlinear Phenomena</i> , <b>2020</b> , 401, 132180	3.3	35
268	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> , <b>2019</b> , 383, 2579-2583	2.3	42
267	Dynamics and interaction scenarios of localized wave structures in the Kadomtsev-Petviashvili-based system. <i>Applied Mathematics Letters</i> , <b>2019</b> , 94, 166-173	3.5	25
266	Stable flat-top solitons and peakons in the PT-symmetric $\mathcal{P}$ -signum potentials and nonlinear media. <i>Chaos</i> , <b>2019</b> , 29, 083108	3.3	15
265	Rogue waves generation through multiphase solutions degeneration for the derivative nonlinear Schrödinger equation. <i>Nonlinear Dynamics</i> , <b>2019</b> , 97, 2443-2452	5	12
264	Super chirped rogue waves in optical fibers. <i>Optics Express</i> , <b>2019</b> , 27, 11370-11384	3.3	19
263	Asymptotic dynamics of three-dimensional bipolar ultrashort electromagnetic pulses in an array of semiconductor carbon nanotubes. <i>Optics Express</i> , <b>2019</b> , 27, 27592-27609	3.3	8
262	Rogue waves and hybrid solutions of the Davey-Stewartson I equation. <i>Nonlinear Dynamics</i> , <b>2019</b> , 95, 839-857	5	4
261	One-soliton shaping and two-soliton interaction in the fifth-order variable-coefficient nonlinear Schrödinger equation. <i>Nonlinear Dynamics</i> , <b>2019</b> , 95, 369-380	5	68
260	Rational and semi-rational solutions of the nonlocal Davey-Stewartson I equation. <i>Computers and Mathematics With Applications</i> , <b>2018</b> , 75, 3317-3330	2.7	17
259	Propagation of three-dimensional bipolar ultrashort electromagnetic pulses in an inhomogeneous array of carbon nanotubes. <i>Physical Review A</i> , <b>2018</b> , 97,	2.6	10
258	Semi-rational solutions for the (2+1)-dimensional nonlocal Fokas system. <i>Applied Mathematics Letters</i> , <b>2018</b> , 80, 27-34	3.5	29
257	Families of exact solutions of a new extended (varvec{(2+1)))-dimensional Boussinesq equation. <i>Nonlinear Dynamics</i> , <b>2018</b> , 91, 2593-2605	5	41
256	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> , <b>2018</b> , 376,	3	14
255	Generation of multivortex ring beams by inhomogeneous effective diffusion. <i>Chaos, Solitons and Fractals</i> , <b>2018</b> , 117, 30-36	9.3	2
254	The loop rogue wave solutions for the Wadati-Konno-Ichikawa equation. <i>Chaos</i> , <b>2018</b> , 28, 103108	3.3	3

253	Ultrashort spatiotemporal optical solitons in waveguide arrays: the effect of combined linear and nonlinear couplings. <i>Journal of Physics A: Mathematical and Theoretical</i> , <b>2018</b> , 51, 435202	2	2
252	Generation of ring-shaped optical vortices in dissipative media by inhomogeneous effective diffusion. <i>Nonlinear Dynamics</i> , <b>2018</b> , 93, 2159-2168	5	4
251	Construction of rational solutions of the real modified Korteweg-de Vries equation from its periodic solutions. <i>Chaos</i> , <b>2017</b> , 27, 053102	3-3	10
250	Versatile rogue waves in scalar, vector, and multidimensional nonlinear systems. <i>Journal of Physics A: Mathematical and Theoretical</i> , <b>2017</b> , 50, 463001	2	113
249	Two-color walking Peregrine solitary waves. <i>Optics Letters</i> , <b>2017</b> , 42, 3514-3517	3	20
248	Families of rational solutions of the y-nonlocal Davey-Stewartson II equation. <i>Nonlinear Dynamics</i> , <b>2017</b> , 90, 2445-2455	5	28
247	Smooth positon solutions of the focusing modified Korteweg-de Vries equation. <i>Nonlinear Dynamics</i> , <b>2017</b> , 89, 2299-2310	5	26
246	Families of stable solitons and excitations in the PT-symmetric nonlinear Schrödinger equations with position-dependent effective masses. <i>Scientific Reports</i> , <b>2017</b> , 7, 1257	4-9	35
245	Few-cycle spatiotemporal optical solitons in waveguide arrays. <i>Physical Review A</i> , <b>2017</b> , 95,	2.6	14
244	Stable dissipative optical vortex clusters by inhomogeneous effective diffusion. <i>Optics Express</i> , <b>2017</b> , 25, 27948-27967	3-3	5
243	Soliton solutions of nonlinear diffusion-reaction-type equations with time-dependent coefficients accounting for long-range diffusion. <i>Nonlinear Dynamics</i> , <b>2016</b> , 86, 2115-2126	5	12
242	Rogue-wave bullets in a composite (2+1)D nonlinear medium. <i>Optics Express</i> , <b>2016</b> , 24, 15251-60	3-3	39
241	Collisions of three-dimensional bipolar optical solitons in an array of carbon nanotubes. <i>Physical Review A</i> , <b>2016</b> , 94,	2.6	17
240	Few-cycle solitons in supercontinuum generation dynamics. <i>European Physical Journal: Special Topics</i> , <b>2016</b> , 225, 2435-2451	2-3	4
239	On multidimensional solitons and their legacy in contemporary Atomic, Molecular and Optical physics. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2016</b> , 49, 170502	1-3	77
238	Few-cycle optical solitons in linearly coupled waveguides. <i>Physical Review A</i> , <b>2016</b> , 94,	2.6	8
237	Vector rogue waves in the Manakov system: diversity and compossibility. <i>Journal of Physics A: Mathematical and Theoretical</i> , <b>2015</b> , 48, 215202	2	79
236	Two-dimensional solitons in triangular photonic lattices with parity-time symmetry. <i>Optics Communications</i> , <b>2015</b> , 335, 146-152	2	27

235	Controlling temporal solitary waves in the generalized inhomogeneous coupled nonlinear Schrödinger equations with varying source terms. <i>Journal of Mathematical Physics</i> , <b>2015</b> , 56, 053508	1.2	19
234	Interaction of a two-dimensional electromagnetic pulse with an electron inhomogeneity in an array of carbon nanotubes in the presence of field inhomogeneity. <i>European Physical Journal D</i> , <b>2015</b> , 69, 1	1.3	14
233	Pattern Formation by Traveling Localized Modes in Two-Dimensional Dissipative Media with Lattice Potentials. <i>Springer Series in Materials Science</i> , <b>2015</b> , 99-128	0.9	
232	Two-dimensional solitons and clusters in dissipative lattices. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2014</b> , 31, A1	1.7	6
231	Localized modes in dissipative lattice media: an overview. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2014</b> , 372,	3	12
230	Building patterns by traveling dipoles and vortices in two-dimensional periodic dissipative media. <i>Optics Communications</i> , <b>2014</b> , 332, 279-291	2	7
229	Defect solitons in two-dimensional photonic lattices with parity-time symmetry. <i>Optics Communications</i> , <b>2014</b> , 313, 139-145	2	14
228	Models for supercontinuum generation beyond the slowly-varying-envelope approximation. <i>Physical Review A</i> , <b>2014</b> , 90,	2.6	19
227	Breatherlike solitons extracted from the Peregrine rogue wave. <i>Physical Review E</i> , <b>2014</b> , 90, 062909	2.4	30
226	Plasmonic lattice solitons beyond the coupled-mode theory. <i>Laser and Photonics Reviews</i> , <b>2014</b> , 8, L52	8.3	15
225	Formation of complex two-dimensional dissipative solitons via spontaneous symmetry breaking. <i>Physical Review A</i> , <b>2014</b> , 90,	2.6	20
224	Lattice solitons in optical media described by the complex Ginzburg-Landau model with PT-symmetric periodic potentials. <i>Physical Review A</i> , <b>2013</b> , 87,	2.6	32
223	Linear and nonlinear waveguiding of few-cycle optical solitons in a planar geometry. <i>Physical Review A</i> , <b>2013</b> , 88,	2.6	4
222	Models of few optical cycle solitons beyond the slowly varying envelope approximation. <i>Physics Reports</i> , <b>2013</b> , 523, 61-126	27.7	258
221	Pattern formation by kicked solitons in the two-dimensional Ginzburg-Landau medium with a transverse grating. <i>Physical Review E</i> , <b>2013</b> , 87, 012916	2.4	11
220	Linear and nonlinear light bullets: recent developments <b>2013</b> ,		1
219	Rotary dissipative spatial solitons in cylindrical lattices. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2013</b> , 30, 3135	1.7	2
218	Studies of Existence and Stability of Circularly Polarized Few-Cycle Solitons Beyond the Slowly-Varying Envelope Approximation. <i>Progress in Optical Science and Photonics</i> , <b>2013</b> , 247-275	0.3	

217	Circularly polarized few-optical-cycle solitons in Kerr media: A complex modified Korteweg-de Vries model. <i>Optics Communications</i> , <b>2012</b> , 285, 356-363	2	20
216	Derivation of a modified Korteweg-de Vries model for few-optical-cycles soliton propagation from a general Hamiltonian. <i>Optics Communications</i> , <b>2012</b> , 285, 3179-3186	2	21
215	Solitons in PT-symmetric optical lattices with spatially periodic modulation of nonlinearity. <i>Optics Communications</i> , <b>2012</b> , 285, 3320-3324	2	48
214	Sub-Wavelength Plasmonic Solitons in 1D and 2D Arrays of Coupled Metallic Nanowires. <i>Progress in Optical Science and Photonics</i> , <b>2012</b> , 357-375	0.3	
213	Derivation of a generalized double-sine-Gordon equation describing ultrashort-soliton propagation in optical media composed of multilevel atoms. <i>Physical Review A</i> , <b>2012</b> , 86,	2.6	15
212	Lattice solitons in PT-symmetric mixed linear-nonlinear optical lattices. <i>Physical Review A</i> , <b>2012</b> , 85,	2.6	145
211	Spatiotemporal optical solitons in carbon nanotube arrays. <i>Physical Review A</i> , <b>2012</b> , 86,	2.6	30
210	Derivation of a coupled system of Korteweg-de Vries equations describing ultrashort soliton propagation in quadratic media by using a general Hamiltonian for multilevel atoms. <i>Physical Review A</i> , <b>2012</b> , 85,	2.6	15
209	Stable surface solitons in truncated complex potentials. <i>Optics Letters</i> , <b>2012</b> , 37, 2526-8	3	17
208	Soliton dynamics induced by periodic spatially inhomogeneous losses in optical media described by the complex Ginzburg-Landau model. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2012</b> , 29, 2554	1.7	13
207	Generation of polygonal soliton clusters and fundamental solitons in dissipative systems by necklace-ring beams with radial-azimuthal phase modulation. <i>Physical Review E</i> , <b>2012</b> , 85, 066206	2.4	9
206	Dynamics of two-dimensional dissipative spatial solitons interacting with an umbrella-shaped potential. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2011</b> , 28, 342	1.7	10
205	Subwavelength vortical plasmonic lattice solitons. <i>Optics Letters</i> , <b>2011</b> , 36, 1179-81	3	26
204	Circularly polarized few-optical-cycle solitons in the short-wave-approximation regime. <i>Physical Review A</i> , <b>2011</b> , 84,	2.6	12
203	Robust circularly polarized few-optical-cycle solitons in Kerr media. <i>Physical Review A</i> , <b>2011</b> , 83,	2.6	13
202	Spatiotemporal vortex solitons in hexagonal arrays of waveguides. <i>Physical Review A</i> , <b>2011</b> , 83,	2.6	19
201	Exact soliton solutions and their stability control in the nonlinear Schrödinger equation with spatiotemporally modulated nonlinearity. <i>Physical Review E</i> , <b>2011</b> , 83, 016602	2.4	27
200	Spatiotemporal solitons in the Ginzburg-Landau model with a two-dimensional transverse grating. <i>Physical Review A</i> , <b>2010</b> , 81,	2.6	16

199	Vortices and ring dark solitons in nonlinear amplifying waveguides. <i>Physical Review A</i> , <b>2010</b> , 81,	2.6	14
198	Ultrashort light bullets described by the two-dimensional sine-Gordon equation. <i>Physical Review A</i> , <b>2010</b> , 81,	2.6	26
197	Few-optical-cycle dissipative solitons. <i>Journal of Physics A: Mathematical and Theoretical</i> , <b>2010</b> , 43, 375205	2.6	22
196	Soliton drift, rebound, penetration, and trapping at the interface between media with uniform and spatially modulated nonlinearities. <i>Optics Letters</i> , <b>2010</b> , 35, 1716-8	3	17
195	Elliptic vortices in optical waveguides and self-attractive Bose-Einstein condensates. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2010</b> , 27, 757	1.7	8
194	Generation of arrays of spatiotemporal dissipative solitons by the phase modulation of a broad beam. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2010</b> , 27, 1266	1.7	6
193	Annular light beams induced by coupling a dissipative spatial soliton on the top of a sharp external potential. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2010</b> , 27, 2174	1.7	2
192	Varieties of stable vortical solitons in Ginzburg-Landau media with radially inhomogeneous losses. <i>Physical Review Letters</i> , <b>2010</b> , 105, 213901	7.4	72
191	Exact solutions of the Gross-Pitaevskii equation for stable vortex modes in two-dimensional Bose-Einstein condensates. <i>Physical Review A</i> , <b>2010</b> , 81,	2.6	54
190	Collisions between discrete spatiotemporal dissipative Ginzburg-Landau solitons in two-dimensional photonic lattices. <i>Open Physics</i> , <b>2010</b> , 8,	1.3	4
189	Stable topological modes in two-dimensional Ginzburg-Landau models with trapping potentials. <i>Physical Review A</i> , <b>2010</b> , 82,	2.6	22
188	Subwavelength plasmonic lattice solitons in arrays of metallic nanowires. <i>Physical Review Letters</i> , <b>2010</b> , 104, 106802	7.4	81
187	Collapse of ultrashort spatiotemporal pulses described by the cubic generalized Kadomtsev-Petviashvili equation. <i>Physical Review A</i> , <b>2010</b> , 81,	2.6	35
186	Elliptic vortices in composite Mathieu lattices. <i>Physical Review A</i> , <b>2009</b> , 79,	2.6	21
185	Collisions between discrete surface spatiotemporal solitons in nonlinear waveguide arrays. <i>Physical Review A</i> , <b>2009</b> , 79,	2.6	18
184	Discrete light bullets in two-dimensional photonic lattices: Collision scenarios. <i>Optics Communications</i> , <b>2009</b> , 282, 3000-3006	2	7
183	Collisions between spinning and nonspinning co-axial three-dimensional Ginzburg-Landau solitons. <i>European Physical Journal: Special Topics</i> , <b>2009</b> , 173, 245-254	2.3	9
182	Spatiotemporal discrete Ginzburg-Landau solitons in two-dimensional photonic lattices. <i>European Physical Journal: Special Topics</i> , <b>2009</b> , 173, 255-266	2.3	5



181	Collisions between discrete spatiotemporal Ginzburg-Landau solitons. <i>European Physical Journal: Special Topics</i> , <b>2009</b> , 173, 267-279	2.3	1
180	Bound states of one-, two-, and three-dimensional solitons in complex Ginzburg-Landau equations with a linear potential. <i>Optics Letters</i> , <b>2009</b> , 34, 2976-8	3	26
179	Stable vortex solitons in the Ginzburg-Landau model of a two-dimensional lasing medium with a transverse grating. <i>Physical Review A</i> , <b>2009</b> , 80,	2.6	31
178	Ultrashort spatiotemporal optical solitons in quadratic nonlinear media: Generation of line and lump solitons from few-cycle input pulses. <i>Physical Review A</i> , <b>2009</b> , 80,	2.6	31
177	Interactions of spatiotemporal solitons and vortices in fiber bundles. <i>Physical Review A</i> , <b>2009</b> , 79,	2.6	10
176	Few-optical-cycle solitons: Modified Korteweg-de Vries sine-Gordon equation versus other nonslowly-varying-envelope-approximation models. <i>Physical Review A</i> , <b>2009</b> , 79,	2.6	115
175	Spatiotemporal vortices in optical fiber bundles. <i>Physical Review A</i> , <b>2008</b> , 77,	2.6	15
174	Crescent vortex solitons in strongly nonlocal nonlinear media. <i>Physical Review A</i> , <b>2008</b> , 78,	2.6	32
173	Spinning bearing-shaped solitons in strongly nonlocal nonlinear media. <i>Physical Review A</i> , <b>2008</b> , 77,	2.6	25
172	Dyakonov Surface Waves: A Review. <i>Electromagnetics</i> , <b>2008</b> , 28, 126-145	0.8	116
171	Tunable rotary orbits of matter-wave nonlinear modes in attractive Bose-Einstein condensates. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2008</b> , 41, 055301	1.3	3
170	Collisions between counter-rotating solitary vortices in the three-dimensional Ginzburg-Landau equation. <i>Physical Review E</i> , <b>2008</b> , 78, 056601	2.4	16
169	Collisions between coaxial vortex solitons in the three-dimensional cubic-quintic complex Ginzburg-Landau equation. <i>Physical Review A</i> , <b>2008</b> , 77,	2.6	41
168	Spatiotemporal surface Ginzburg-Landau solitons. <i>Physical Review A</i> , <b>2008</b> , 77,	2.6	17
167	Spatiotemporal dissipative solitons in two-dimensional photonic lattices. <i>Physical Review E</i> , <b>2008</b> , 78, 056602	2.4	7
166	Interaction of few-optical-cycle solitons. <i>Physical Review A</i> , <b>2008</b> , 78,	2.6	26
165	Three-dimensional dissipative optical solitons. <i>Open Physics</i> , <b>2008</b> , 6,	1.3	2
164	Stability limits for three-dimensional vortex solitons in the Ginzburg-Landau equation with the cubic-quintic nonlinearity. <i>Physical Review A</i> , <b>2007</b> , 76,	2.6	34

163	On stability of vortices in three-dimensional self-attractive Bose-Einstein condensates. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2007</b> , 361, 336-340	2.3	25
162	Stable counter-rotating vortex pairs in saturable media. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2007</b> , 364, 231-234	2.3	21
161	Three-dimensional vortex solitons in quasi-two-dimensional lattices. <i>Physical Review E</i> , <b>2007</b> , 76, 026604	2.4	24
160	Interface discrete light bullets in waveguide arrays. <i>Optics Letters</i> , <b>2007</b> , 32, 2091-3	3	23
159	Spatiotemporal surface solitons in two-dimensional photonic lattices. <i>Optics Letters</i> , <b>2007</b> , 32, 3173-5	3	39
158	Stable discrete surface light bullets. <i>Optics Express</i> , <b>2007</b> , 15, 589-95	3.3	39
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