

Lluís Torner

List of Publications by Year in descending order

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428
papers

19,914
citations

13865

67
h-index

16650

123
g-index

433
all docs

433
docs citations

433
times ranked

6220
citing authors

#	ARTICLE	IF	CITATIONS
1	Twisted photons. <i>Nature Physics</i> , 2007, 3, 305-310.	16.7	1,196
2	Spatiotemporal optical solitons. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2005, 7, R53-R72.	1.4	765
3	Solitons in nonlinear lattices. <i>Reviews of Modern Physics</i> , 2011, 83, 247-305.	45.6	740
4	Observation of Two-Dimensional Spatial Solitary Waves in a Quadratic Medium. <i>Physical Review Letters</i> , 1995, 74, 5036-5039.	7.8	558
5	Management of the Angular Momentum of Light: Preparation of Photons in Multidimensional Vector States of Angular Momentum. <i>Physical Review Letters</i> , 2001, 88, 013601.	7.8	538
6	?(2) cascading phenomena and their applications to all-optical signal processing, mode-locking, pulse compression and solitons. <i>Optical and Quantum Electronics</i> , 1996, 28, 1691-1740.	3.3	533
7	Optical vortices and vortex solitons. <i>Progress in Optics</i> , 2005, 47, 291-391.	0.6	356
8	Digital spiral imaging. <i>Optics Express</i> , 2005, 13, 873.	3.4	355
9	Frontiers in multidimensional self-trapping of nonlinear fields and matter. <i>Nature Reviews Physics</i> , 2019, 1, 185-197.	26.6	255
10	Localization and delocalization of light in photonic moiré lattices. <i>Nature</i> , 2020, 577, 42-46.	27.8	253
11	Solitary waves due to $\ddot{\psi}^2$: $\ddot{\psi}^2$ cascading. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1994, 11, 2434.	2.1	247
12	Two-dimensional multipole solitons in nonlocal nonlinear media. <i>Optics Letters</i> , 2006, 31, 3312.	3.3	235
13	Surface Gap Solitons. <i>Physical Review Letters</i> , 2006, 96, 073901.	7.8	212
14	Stable Spinning Optical Solitons in Three Dimensions. <i>Physical Review Letters</i> , 2002, 88, 073902.	7.8	208
15	Three-Dimensional Light Bullets in Arrays of Waveguides. <i>Physical Review Letters</i> , 2010, 105, 263901.	7.8	206
16	Quantum spiral bandwidth of entangled two-photon states. <i>Physical Review A</i> , 2003, 68, .	2.5	200
17	Soliton Shape and Mobility Control in Optical Lattices. <i>Progress in Optics</i> , 2009, , 63-148.	0.6	198
18	Ultrabroadband Biphotons Generated via Chirped Quasi-Phase-Matched Optical Parametric Down-Conversion. <i>Physical Review Letters</i> , 2008, 100, 183601.	7.8	196

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19	Extended organization of colloidal microparticles by surface plasmon polariton excitation. <i>Physical Review B</i> , 2006, 73, .	3.2	180
20	Rotary Solitons in Bessel Optical Lattices. <i>Physical Review Letters</i> , 2004, 93, 093904.	7.8	160
21	Nonlinearity-induced photonic topological insulator. <i>Science</i> , 2020, 370, 701-704.	12.6	157
22	Upper threshold for stability of multipole-mode solitons in nonlocal nonlinear media. <i>Optics Letters</i> , 2005, 30, 3171.	3.3	155
23	Observation of Dyakonov Surface Waves. <i>Physical Review Letters</i> , 2009, 102, 043903.	7.8	152
24	Dyakonov Surface Waves: A Review. <i>Electromagnetics</i> , 2008, 28, 126-145.	0.7	149
25	Observation of the Dynamical Inversion of the Topological Charge of an Optical Vortex. <i>Physical Review Letters</i> , 2001, 87, .	7.8	142
26	Stable Vortex Tori in the Three-Dimensional Cubic-Quintic Ginzburg-Landau Equation. <i>Physical Review Letters</i> , 2006, 97, 073904.	7.8	139
27	Anisotropy-induced photonic bound states in the continuum. <i>Nature Photonics</i> , 2017, 11, 232-236.	31.4	138
28	Stable Ring-Profile Vortex Solitons in Bessel Optical Lattices. <i>Physical Review Letters</i> , 2005, 94, 043902.	7.8	131
29	Dyakonov Surface Waves in Photonic Metamaterials. <i>Physical Review Letters</i> , 2005, 94, 013901.	7.8	130
30	Optical soliton formation controlled by angle twisting in photonic moiré lattices. <i>Nature Photonics</i> , 2020, 14, 663-668.	31.4	129
31	Walking Solitons in Quadratic Nonlinear Media. <i>Physical Review Letters</i> , 1996, 77, 2455-2458.	7.8	128
32	Observation of azimuthal modulational instability and formation of patterns of optical solitons in a quadratic nonlinear crystal. <i>Optics Letters</i> , 1998, 23, 1444.	3.3	125
33	Preparation of engineered two-photon entangled states for multidimensional quantum information. <i>Physical Review A</i> , 2003, 67, .	2.5	125
34	Observation of Two-Dimensional Surface Solitons in Asymmetric Waveguide Arrays. <i>Physical Review Letters</i> , 2007, 98, .	7.8	120
35	Stable three-dimensional spatiotemporal solitons in a two-dimensional photonic lattice. <i>Physical Review E</i> , 2004, 70, 055603.	2.1	117
36	Nonlinear second-order photonic topological insulators. <i>Nature Physics</i> , 2021, 17, 995-1000.	16.7	117

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37	Inhibition of Light Tunneling in Waveguide Arrays. <i>Physical Review Letters</i> , 2009, 102, 153901.	7.8	115
38	Propagation and control of noncanonical optical vortices. <i>Optics Letters</i> , 2001, 26, 163.	3.3	113
39	Multipole vector solitons in nonlocal nonlinear media. <i>Optics Letters</i> , 2006, 31, 1483.	3.3	109
40	Bright solitons from defocusing nonlinearities. <i>Physical Review E</i> , 2011, 84, 035602.	2.1	109
41	Stable Spatiotemporal Solitons in Bessel Optical Lattices. <i>Physical Review Letters</i> , 2005, 95, 023902.	7.8	108
42	Azimuthal instabilities and self-breaking of beams into sets of solitons in bulk second-harmonic generation. <i>Electronics Letters</i> , 1997, 33, 608.	1.0	101
43	Quasi-phase-matching engineering for spatial control of entangled two-photon states. <i>Optics Letters</i> , 2004, 29, 376.	3.3	100
44	Excitation of solitons with cascaded $\chi^{(2)}$ nonlinearities. <i>Optics Letters</i> , 1994, 19, 1615.	3.3	98
45	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.	1.5	97
46	Wave localization at the boundary of disordered photonic lattices. <i>Optics Letters</i> , 2010, 35, 1172.	3.3	95
47	Three-dimensional droplets of swirling superfluids. <i>Physical Review A</i> , 2018, 98, .	2.5	94
48	Spatial soliton switching in quasi-continuous optical arrays. <i>Optics Letters</i> , 2004, 29, 766.	3.3	91
49	Soliton Mobility in Nonlocal Optical Lattices. <i>Physical Review Letters</i> , 2005, 95, 113901.	7.8	91
50	Soliton "molecules" Robust clusters of spatiotemporal optical solitons. <i>Physical Review E</i> , 2003, 67, 046610.	2.1	88
51	Observation of the orbital angular momentum spectrum of a light beam. <i>Optics Letters</i> , 2003, 28, 2285.	3.3	86
52	Lossless directional guiding of light in dielectric nanosheets using Dyakonov surface waves. <i>Nature Nanotechnology</i> , 2014, 9, 419-424.	31.5	86
53	Inverse-scattering approach to femtosecond solitons in monomode optical fibers. <i>Physical Review E</i> , 1993, 48, 4699-4709.	2.1	84
54	Stable vortex dipoles in nonrotating Bose-Einstein condensates. <i>Physical Review A</i> , 2003, 68, .	2.5	84

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55	Engineering competing nonlinearities. <i>Optics Letters</i> , 1999, 24, 1413.	3.3	83
56	Two-dimensional solitons in nonlinear lattices. <i>Optics Letters</i> , 2009, 34, 770.	3.3	83
57	Algebraic bright and vortex solitons in defocusing media. <i>Optics Letters</i> , 2011, 36, 3088.	3.3	82
58	Soliton trains in photonic lattices. <i>Optics Express</i> , 2004, 12, 2831.	3.4	81
59	Twisted Toroidal Vortex Solitons in Inhomogeneous Media with Repulsive Nonlinearity. <i>Physical Review Letters</i> , 2014, 113, 264101.	7.8	81
60	Three-dimensional spatiotemporal optical solitons in nonlocal nonlinear media. <i>Physical Review E</i> , 2006, 73, 025601.	2.1	80
61	Stability of vortex solitons in thermal nonlinear media with cylindrical symmetry. <i>Optics Express</i> , 2007, 15, 9378.	3.4	76
62	Stationary solitary waves with second-order nonlinearities. <i>Optics Communications</i> , 1995, 114, 136-140.	2.1	75
63	Stable three-dimensional spinning optical solitons supported by competing quadratic and cubic nonlinearities. <i>Physical Review E</i> , 2002, 66, 016613.	2.1	75
64	Globally linked vortex clusters in trapped wave fields. <i>Physical Review E</i> , 2002, 66, 036612.	2.1	73
65	Surface vortex solitons. <i>Optics Express</i> , 2006, 14, 4049.	3.4	73
66	Soliton Gyroscopes in Media with Spatially Growing Repulsive Nonlinearity. <i>Physical Review Letters</i> , 2014, 112, 020404.	7.8	72
67	Robust Propagation of Two-Color Soliton Clusters Supported by Competing Nonlinearities. <i>Physical Review Letters</i> , 2002, 89, 273902.	7.8	68
68	Parametric amplification of soliton steering in optical lattices. <i>Optics Letters</i> , 2004, 29, 1102.	3.3	66
69	Two-dimensional solitons with second-order nonlinearities. <i>Optics Letters</i> , 1995, 20, 13.	3.3	65
70	Enhancing the axial resolution of quantum optical coherence tomography by chirped quasi-phase matching. <i>Optics Letters</i> , 2004, 29, 2429.	3.3	65
71	Soliton modes, stability, and drift in optical lattices with spatially modulated nonlinearity. <i>Optics Letters</i> , 2008, 33, 1747.	3.3	65
72	Metastability of Quantum Droplet Clusters. <i>Physical Review Letters</i> , 2019, 122, 193902.	7.8	64

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73	The curious arithmetic of optical vortices. <i>Optics Letters</i> , 2000, 25, 1135.	3.3	63
74	Soliton Topology versus Discrete Symmetry in Optical Lattices. <i>Physical Review Letters</i> , 2005, 95, 123902.	7.8	62
75	Multipole-mode solitons in Bessel optical lattices. <i>Optics Express</i> , 2005, 13, 10703.	3.4	61
76	Tunable Soliton Self-Bending in Optical Lattices with Nonlocal Nonlinearity. <i>Physical Review Letters</i> , 2004, 93, 153903.	7.8	60
77	Gray spatial solitons in nonlocal nonlinear media. <i>Optics Letters</i> , 2007, 32, 946.	3.3	59
78	Asymmetric spatio-temporal optical solitons in media with quadratic nonlinearity. <i>Optics Communications</i> , 1998, 152, 365-370.	2.1	58
79	Shaping soliton properties in Mathieu lattices. <i>Optics Letters</i> , 2006, 31, 238.	3.3	58
80	Stable soliton complexes in two-dimensional photonic lattices. <i>Optics Letters</i> , 2004, 29, 1918.	3.3	57
81	Light tunneling inhibition and anisotropic diffraction engineering in two-dimensional waveguide arrays. <i>Optics Letters</i> , 2009, 34, 2906.	3.3	57
82	Stationary trapping of light beams in bulk second-order nonlinear media. <i>Optics Communications</i> , 1995, 121, 149-155.	2.1	56
83	Tandem light bullets. <i>Optics Communications</i> , 2001, 199, 277-281.	2.1	56
84	Stable solitons of even and odd parities supported by competing nonlocal nonlinearities. <i>Physical Review E</i> , 2006, 74, 066614.	2.1	56
85	Lieb polariton topological insulators. <i>Physical Review B</i> , 2018, 97, .	3.2	56
86	Stability of spatial solitary waves in quadratic media. <i>Optics Letters</i> , 1995, 20, 2183.	3.3	55
87	Stability of Walking Vector Solitons. <i>Physical Review Letters</i> , 1998, 81, 4353-4356.	7.8	55
88	Generation of surface soliton arrays. <i>Optics Letters</i> , 2006, 31, 2329.	3.3	54
89	Resonant Mode Oscillations in Modulated Waveguiding Structures. <i>Physical Review Letters</i> , 2007, 99, 233903.	7.8	54
90	Practical dyakonons. <i>Optics Letters</i> , 2012, 37, 4311.	3.3	54

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91	Bright solitons with second-order nonlinearities. Journal of the Optical Society of America B: Optical Physics, 1995, 12, 889.	2.1	53
92	Lattice-supported surface solitons in nonlocal nonlinear media. Optics Letters, 2006, 31, 2595.	3.3	52
93	Stabilization of spatiotemporal solitons in Kerr media by dispersive coupling. Optics Letters, 2015, 40, 1045.	3.3	52
94	Solitary-wave vortices in quadratic nonlinear media. Journal of the Optical Society of America B: Optical Physics, 1998, 15, 625.	2.1	51
95	Topological States in Partially- $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle \text{mml:mrow}\langle \text{mml:mi mathvariant="script"}\rangle \text{PT}\langle \text{mml:mi}\rangle \langle \text{mml:mrow}\rangle \langle \text{mml:math}\rangle$ -Symmetric Azimuthal Potentials. Physical Review Letters, 2015, 115, 193902.	7.8	51
96	Localization-delocalization wavepacket transition in Pythagorean aperiodic potentials. Scientific Reports, 2016, 6, 32546.	3.3	51
97	Multipole-mode surface solitons. Optics Letters, 2006, 31, 2172.	3.3	50
98	Probing canonical geometrical objects by digital spiral imaging. Journal of the European Optical Society-Rapid Publications, 2007, 2, .	1.9	50
99	Bloch Oscillations in Optical and Zeeman Lattices in the Presence of Spin-Orbit Coupling. Physical Review Letters, 2016, 117, 215301.	7.8	50
100	Asymmetrical splitting of higher-order optical solitons induced by quintic nonlinearity. Optics Communications, 1997, 143, 322-328.	2.1	49
101	Structural Instability of Vortices in Bose-Einstein Condensates. Physical Review Letters, 2001, 87, 140403.	7.8	49
102	Robust soliton clusters in media with competing cubic and quintic nonlinearities. Physical Review E, 2003, 68, 046612.	2.1	49
103	Broadband light generation by noncollinear parametric downconversion. Optics Letters, 2006, 31, 253.	3.3	49
104	Dissipative defect modes in periodic structures. Optics Letters, 2010, 35, 1638.	3.3	49
105	Unbreakable PT symmetry of solitons supported by inhomogeneous defocusing nonlinearity. Optics Letters, 2014, 39, 5641.	3.3	49
106	Observation of mutual trapping and dragging of two-dimensional spatial solitary waves in a quadratic medium. Optics Letters, 1995, 20, 1949.	3.3	48
107	Adiabatic shaping of quadratic solitons. Optics Letters, 1998, 23, 903.	3.3	48
108	Stable radially symmetric and azimuthally modulated vortex solitons supported by localized gain. Optics Letters, 2011, 36, 85.	3.3	48

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109	Elliptical light bullets. <i>Optics Communications</i> , 1999, 159, 129-138.	2.1	47
110	Spatial switching of quadratic solitons in engineered quasi-phase-matched structures. <i>Optics Letters</i> , 1999, 24, 7.	3.3	47
111	Observation of two-dimensional lattice interface solitons. <i>Optics Letters</i> , 2008, 33, 663.	3.3	47
112	Three-dimensional hybrid vortex solitons. <i>New Journal of Physics</i> , 2014, 16, 063035.	2.9	47
113	Soliton dragging by dynamic optical lattices. <i>Optics Letters</i> , 2005, 30, 1378.	3.3	46
114	Vector solitons in nonlinear lattices. <i>Optics Letters</i> , 2009, 34, 3625.	3.3	46
115	Twin-vortex solitons in nonlocal nonlinear media. <i>Optics Letters</i> , 2010, 35, 628.	3.3	46
116	Three-dimensional walking spatiotemporal solitons in quadratic media. <i>Physical Review E</i> , 2000, 62, 7340-7347.	2.1	45
117	Three-dimensional parallel vortex rings in Bose-Einstein condensates. <i>Physical Review A</i> , 2004, 70, .	2.5	45
118	Stabilization of vector soliton complexes in nonlocal nonlinear media. <i>Physical Review E</i> , 2006, 73, 055601.	2.1	45
119	Orbital angular momentum of photons in noncollinear parametric downconversion. <i>Optics Communications</i> , 2003, 228, 155-160.	2.1	44
120	Engineering the frequency correlations of entangled two-photon states by achromatic phase matching. <i>Optics Letters</i> , 2005, 30, 314.	3.3	44
121	Nonlocal surface dipoles and vortices. <i>Physical Review A</i> , 2008, 77, .	2.5	44
122	Interaction of one-dimensional bright solitary waves in quadratic media. <i>Optics Letters</i> , 1995, 20, 2282.	3.3	43
123	Observation of two-dimensional defect surface solitons. <i>Optics Letters</i> , 2009, 34, 797.	3.3	43
124	Method to Generate Complex Quasinondiffracting Optical Lattices. <i>Physical Review Letters</i> , 2010, 105, 013902.	7.8	43
125	Vector Topological Edge Solitons in Floquet Insulators. <i>ACS Photonics</i> , 2020, 7, 735-745.	6.6	43
126	Stabilization of dipole solitons in nonlocal nonlinear media. <i>Physical Review A</i> , 2008, 77, .	2.5	42

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127	Three-dimensional topological solitons in PT-symmetric optical lattices. <i>Optica</i> , 2016, 3, 1048.	9.3	42
128	Observation of Edge Solitons in Topological Trimer Arrays. <i>Physical Review Letters</i> , 2022, 128, 093901.	7.8	41
129	Rotary dipole-mode solitons in Bessel optical lattices. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2004, 6, 444-447.	1.4	40
130	Stable soliton complexes and azimuthal switching in modulated Bessel optical lattices. <i>Physical Review E</i> , 2004, 70, 065602.	2.1	40
131	Power-dependent shaping of vortex solitons in optical lattices with spatially modulated nonlinear refractive index. <i>Optics Letters</i> , 2008, 33, 2173.	3.3	40
132	Splitting of light beams with spiral phase dislocations into solitons in bulk quadratic nonlinear media. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1997, 14, 2017.	2.1	39
133	Walkoff-compensated dispersion-mapped quadratic solitons. <i>IEEE Photonics Technology Letters</i> , 1999, 11, 1268-1270.	2.5	39
134	Surface waves in defocusing thermal media. <i>Optics Letters</i> , 2007, 32, 2260.	3.3	39
135	Evolution dynamics of discrete-continuous light bullets. <i>Physical Review A</i> , 2011, 84, .	2.5	39
136	Tunable ultrafast nonlinear optofluidic coupler. <i>Optics Letters</i> , 2012, 37, 1058.	3.3	39
137	Beam steering by $\tilde{\mu}^2$ trapping. <i>Optics Letters</i> , 1995, 20, 1952.	3.3	38
138	Orbital angular momentum of entangled counterpropagating photons. <i>Optics Letters</i> , 2004, 29, 1939.	3.3	38
139	Soliton excitation and mutual locking of light beams in bulk quadratic nonlinear crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1996, 13, 864.	2.1	37
140	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
141	Stationary walking solitons in bulk quadratic nonlinear media. <i>Optics Communications</i> , 1997, 137, 113-117.	2.1	36
142	Vortex revivals with trapped light. <i>Optics Letters</i> , 2001, 26, 1601.	3.3	36
143	Spatial-to-spectral mapping in spontaneous parametric down-conversion. <i>Physical Review A</i> , 2004, 70, .	2.5	36
144	Topological dipole Floquet solitons. <i>Physical Review A</i> , 2021, 103, .	2.5	36

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145	Optical Dyakonov surface waves at magnetic interfaces. <i>Optics Letters</i> , 2005, 30, 3075.	3.3	35
146	Solitons supported by spatially inhomogeneous nonlinear losses. <i>Optics Express</i> , 2012, 20, 2657.	3.4	35
147	Multifrequency Solitons in Commensurate-Incommensurate Photonic Moiré Lattices. <i>Physical Review Letters</i> , 2021, 127, 163902.	7.8	35
148	New type of guided waves in birefringent media. <i>IEEE Photonics Technology Letters</i> , 1993, 5, 201-203.	2.5	34
149	Vortex streets in walking parametric wave mixing. <i>Optics Letters</i> , 1999, 24, 899.	3.3	34
150	Gap solitons supported by optical lattices in photorefractive crystals with asymmetric nonlocality. <i>Optics Letters</i> , 2006, 31, 2027.	3.3	34
151	Light bullets in Bessel optical lattices with spatially modulated nonlinearity. <i>Optics Express</i> , 2009, 17, 11328.	3.4	34
152	Self-trapping and splitting of bright vector solitons under inhomogeneous defocusing nonlinearities. <i>Optics Letters</i> , 2011, 36, 4587.	3.3	34
153	Rotating vortex clusters in media with inhomogeneous defocusing nonlinearity. <i>Optics Letters</i> , 2017, 42, 446.	3.3	34
154	The spatial shape of entangled photon states generated in non-collinear, walking parametric downconversion. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2005, 7, 235-239.	1.4	33
155	Light bullets in optical tandems. <i>Optics Letters</i> , 2009, 34, 1129.	3.3	33
156	Nonlinearity-induced broadening of resonances in dynamically modulated couplers. <i>Optics Letters</i> , 2009, 34, 2700.	3.3	33
157	Soliton spiraling in optically induced rotating Bessel lattices. <i>Optics Letters</i> , 2005, 30, 637.	3.3	32
158	Stabilization of higher-order vortices and multihump solitons in media with synthetic nonlocal nonlinearities. <i>Physical Review A</i> , 2009, 79, .	2.5	32
159	Stabilization of multibeam necklace solitons in circular arrays with spatially modulated nonlinearity. <i>Physical Review A</i> , 2009, 80, .	2.5	32
160	A simple method to generate optical beams with a screw phase dislocation. <i>Optics Communications</i> , 1997, 143, 265-267.	2.1	31
161	Quadratic solitons: recent developments. <i>IEEE Journal of Quantum Electronics</i> , 2003, 39, 22-30.	1.9	31
162	Spectral engineering of entangled two-photon states. <i>Physical Review A</i> , 2006, 73, .	2.5	31

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163	Dynamics of surface solitons at the edge of chirped optical lattices. <i>Physical Review A</i> , 2007, 76, .	2.5	31
164	Surface solitons in chirped photonic lattices. <i>Optics Letters</i> , 2007, 32, 2668.	3.3	31
165	Vector mixed-gap surface solitons. <i>Optics Express</i> , 2006, 14, 4808.	3.4	30
166	Multipole surface solitons in thermal media. <i>Optics Letters</i> , 2009, 34, 283.	3.3	30
167	Solitary-wave vortices in type II second-harmonic generation. <i>Optics Communications</i> , 1998, 149, 77-83.	2.1	29
168	Walking light bullets. <i>Optics Communications</i> , 1999, 169, 341-356.	2.1	29
169	Soliton algebra by vortex-beam splitting. <i>Optics Letters</i> , 2001, 26, 1004.	3.3	29
170	Soliton Eigenvalue Control in Optical Lattices. <i>Physical Review Letters</i> , 2004, 93, 143902.	7.8	29
171	Leaky modes in multilayer uniaxial optical waveguides. <i>Applied Optics</i> , 1990, 29, 2805.	2.1	28
172	Self-Bouncing of Quadratic Solitons. <i>Physical Review Letters</i> , 1998, 81, 790-793.	7.8	28
173	Observation of surface solitons in chirped waveguide arrays. <i>Optics Letters</i> , 2008, 33, 1132.	3.3	28
174	Anderson cross-localization. <i>Optics Letters</i> , 2012, 37, 1715.	3.3	28
175	Robust Ultrashort Light Bullets in Strongly Twisted Waveguide Arrays. <i>Physical Review Letters</i> , 2019, 123, 133902.	7.8	28
176	Guided-to-leaky mode transition in uniaxial optical slab waveguides. <i>Journal of Lightwave Technology</i> , 1993, 11, 1592-1600.	4.6	27
177	Vortex evolution in parametric wave mixing. <i>Optics Communications</i> , 1999, 162, 357-366.	2.1	27
178	Soliton content with quadratic nonlinearities. <i>Optics Communications</i> , 1999, 164, 153-159.	2.1	27
179	Soliton control in fading optical lattices. <i>Optics Letters</i> , 2006, 31, 2181.	3.3	27
180	Topological properties of bound states in the continuum in geometries with broken anisotropy symmetry. <i>Physical Review A</i> , 2018, 98, .	2.5	27

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181	Soliton control in chirped photonic lattices. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 1356.	2.1	26
182	Light Bullets by Synthetic Diffraction-Dispersion Matching. Physical Review Letters, 2010, 105, 033901.	7.8	26
183	Stable bright and vortex solitons in photonic crystal fibers with inhomogeneous defocusing nonlinearity. Optics Letters, 2012, 37, 1799.	3.3	26
184	Diffraction control in P -symmetric photonic lattices: From beam rectification to dynamic localization. Physical Review A, 2016, 93, .	2.5	26
185	Walking solitons in type II second-harmonic generation. Physical Review E, 1997, 56, R6294-R6297.	2.1	25
186	Title is missing!. Optical and Quantum Electronics, 1997, 29, 1037-1046.	3.3	25
187	Arresting Wave Collapse by Wave Self-Rectification. Physical Review Letters, 2003, 91, 063904.	7.8	25
188	Stable three-dimensional solitons in attractive Bose-Einstein condensates loaded in an optical lattice. Physical Review A, 2005, 72, .	2.5	25
189	Enhanced soliton interactions by inhomogeneous nonlocality and nonlinearity. Physical Review A, 2007, 76, .	2.5	25
190	Ring surface waves in thermal nonlinear media. Optics Express, 2007, 15, 16216.	3.4	25
191	Hybrid waves guided by ultrathin films. Journal of Lightwave Technology, 1995, 13, 2027-2033.	4.6	24
192	Quadratic spatial solitons in periodically poled KTiOPO ₄ . Optics Letters, 2003, 28, 640.	3.3	24
193	Surface solitons at interfaces of arrays with spatially modulated nonlinearity. Optics Letters, 2008, 33, 1120.	3.3	24
194	Dynamics of topological light states in spiraling structures. Optics Letters, 2013, 38, 3414.	3.3	24
195	Resonant Edge State Switching in Polariton Topological Insulators. Laser and Photonics Reviews, 2018, 12, 1700348.	8.7	24
196	Multicharged vortex evolution in seeded second-harmonic generation. Journal of the Optical Society of America B: Optical Physics, 2000, 17, 1197.	2.1	23
197	Continuous-wave self-pumped optical parametric oscillator based on Yb ³⁺ -doped bulk periodically poled LiNbO ₃ (MgO). Applied Physics Letters, 2001, 79, 293-295.	3.3	23
198	Engineering of spatial solitons in two-period QPM structures. Optics Communications, 2002, 203, 393-402.	2.1	23

#	ARTICLE	IF	CITATIONS
199	Spatiotemporal discrete multicolor solitons. <i>Physical Review E</i> , 2004, 70, 066618.	2.1	23
200	Four-wave mixing of light beams with engineered orbital angular momentum in cold cesium atoms. <i>Optics Letters</i> , 2004, 29, 1515.	3.3	23
201	Surface lattice kink solitons. <i>Optics Express</i> , 2006, 14, 12365.	3.4	23
202	Enhanced localization of Dyakonov-like surface waves in left-handed materials. <i>Physical Review B</i> , 2006, 74, .	3.2	23
203	Guiding-center solitons in rotating potentials. <i>Physical Review A</i> , 2007, 75, .	2.5	23
204	Observation of higher-order solitons in defocusing waveguide arrays. <i>Optics Letters</i> , 2007, 32, 1950.	3.3	23
205	Rotating vortex solitons supported by localized gain. <i>Optics Letters</i> , 2011, 36, 1936.	3.3	23
206	Multicolor lattice solitons. <i>Optics Letters</i> , 2004, 29, 1117.	3.3	22
207	Propagation of solitons in thermal media with periodic nonlinearity. <i>Optics Letters</i> , 2008, 33, 1774.	3.3	22
208	Hybrid surface plasmon polaritons guided by ultrathin metal films. <i>Optical and Quantum Electronics</i> , 1994, 26, 857-863.	3.3	21
209	Perturbative approach to the interaction of solitons in quadratic nonlinear media. <i>Optics Communications</i> , 1997, 136, 185-192.	2.1	21
210	Multicolor soliton clusters. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2002, 19, 2682.	2.1	21
211	Quadratic soliton self-reflection at a quadratically nonlinear interface. <i>Optics Letters</i> , 2003, 28, 2103.	3.3	21
212	Eigenvalue control and switching by fission of multisoliton bound states in planar waveguides. <i>Optics Letters</i> , 2004, 29, 483.	3.3	21
213	Multicolor vortex solitons in two-dimensional photonic lattices. <i>Physical Review E</i> , 2005, 71, 016616.	2.1	21
214	Highly asymmetric soliton complexes in parabolic optical lattices. <i>Optics Letters</i> , 2008, 33, 141.	3.3	21
215	Characterization of dielectric spheres by spiral imaging. <i>Optics Letters</i> , 2012, 37, 869.	3.3	21
216	From topological charge information to sets of solitons in quadratic non-linear media. <i>Optical and Quantum Electronics</i> , 1998, 30, 809-827.	3.3	20

#	ARTICLE	IF	CITATIONS
217	Observation of topological charge pair nucleation in parametric wave mixing. <i>Physical Review E</i> , 1998, 58, 7903-7907.	2.1	20
218	Generation of multicolor spatial solitons with pulsed light. <i>Optics Communications</i> , 2001, 192, 347-355.	2.1	20
219	Stabilization of vector solitons in optical lattices. <i>Physical Review E</i> , 2004, 70, 066623.	2.1	20
220	Lost writing uncovered by laser two-photon fluorescence provides a terminus post quem for Roman colonization of Hispania Citerior. <i>Journal of Archaeological Science</i> , 2007, 34, 1594-1600.	2.4	20
221	Brownian soliton motion. <i>Physical Review A</i> , 2008, 77, .	2.5	20
222	Solitons in complex optical lattices. <i>European Physical Journal: Special Topics</i> , 2009, 173, 87-105.	2.6	20
223	Observation of two-dimensional superlattice solitons. <i>Optics Letters</i> , 2009, 34, 3701.	3.3	20
224	Light localization in nonuniformly randomized lattices. <i>Optics Letters</i> , 2012, 37, 286.	3.3	20
225	Generation of arbitrary complex quasi-non-diffracting optical patterns. <i>Optics Express</i> , 2013, 21, 22221.	3.4	20
226	Bound states in the continuum in a two-dimensional PT-symmetric system. <i>Optics Letters</i> , 2018, 43, 575.	3.3	20
227	Nonlinear higher-order polariton topological insulator. <i>Optics Letters</i> , 2020, 45, 4710.	3.3	20
228	Quadratic Solitons. <i>Optics and Photonics News</i> , 2002, 13, 42.	0.5	19
229	Reconfigurable soliton networks optically-induced by arrays of nondiffracting Bessel beams. <i>Optics Express</i> , 2005, 13, 1774.	3.4	19
230	Rotating surface solitons. <i>Optics Letters</i> , 2007, 32, 2948.	3.3	19
231	Nonlinear switching of low-index defect modes in photonic lattices. <i>Physical Review A</i> , 2008, 78, .	2.5	19
232	Observation of the gradual transition from one-dimensional to two-dimensional Anderson localization. <i>Optics Letters</i> , 2012, 37, 593.	3.3	19
233	Spatial solitons in optofluidic waveguide arrays with focusing ultrafast Kerr nonlinearity. <i>Optics Letters</i> , 2012, 37, 2454.	3.3	19
234	Stabilization of two-dimensional solitons in cubic-saturable nonlinear lattices. <i>Physical Review A</i> , 2010, 81, .	2.5	18

#	ARTICLE	IF	CITATIONS
235	Spatial light rectification in an optical waveguide lattice. <i>Europhysics Letters</i> , 2013, 101, 44002.	2.0	18
236	Hybrid Bloch-Anderson localization of light. <i>Optics Letters</i> , 2013, 38, 1488.	3.3	18
237	Multidimensional hybrid Bose-Einstein condensates stabilized by lower-dimensional spin-orbit coupling. <i>Physical Review Research</i> , 2020, 2, .	3.6	18
238	Universal diagrams for TE waves guided by thin films bounded by saturable nonlinear media. <i>IEEE Journal of Quantum Electronics</i> , 1993, 29, 917-925.	1.9	17
239	Spatial walking solitons in quadratic nonlinear crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1998, 15, 1476.	2.1	17
240	Two-dimensional cnoidal waves in Kerr-type saturable nonlinear media. <i>Physical Review E</i> , 2003, 68, 015603.	2.1	17
241	Angular surface solitons in sectorial hexagonal arrays. <i>Optics Letters</i> , 2008, 33, 1542.	3.3	17
242	Publisher's Note: Solitons in nonlinear lattices [Rev. Mod. Phys. 83, 247 (2011)]. <i>Reviews of Modern Physics</i> , 2011, 83, 405-405.	45.6	17
243	Similarity rules for nonlinear Kerr-like slab optical waveguides. <i>IEEE Journal of Quantum Electronics</i> , 1992, 28, 1571-1581.	1.9	16
244	Vector soliton fission by reflection at nonlinear interfaces. <i>Optics Letters</i> , 2007, 32, 394.	3.3	16
245	Coupling plasmons and dyakonons. <i>Optics Letters</i> , 2012, 37, 1983.	3.3	16
246	Structured heterosymmetric quantum droplets. <i>Physical Review Research</i> , 2020, 2, .	3.6	16
247	Angular control of anisotropy-induced bound states in the continuum. <i>Optics Letters</i> , 2019, 44, 5362.	3.3	16
248	Title is missing!. <i>Optical and Quantum Electronics</i> , 1997, 29, 757-776.	3.3	15
249	Walking vector solitons. <i>Optics Communications</i> , 1997, 138, 105-108.	2.1	15
250	Amplification of quadratic solitons. <i>Optics Communications</i> , 1998, 154, 59-64.	2.1	15
251	Pulse compression and gain enhancement in a degenerate optical parametric amplifier based on aperiodically poled crystals. <i>Optics Letters</i> , 2002, 27, 442.	3.3	15
252	Stable three-dimensional optical solitons supported by competing quadratic and self-focusing cubic nonlinearities. <i>Physical Review E</i> , 2006, 74, 047601.	2.1	15

#	ARTICLE	IF	CITATIONS
253	Surface lattice solitons in diffusive nonlinear media. <i>Optics Letters</i> , 2008, 33, 773.	3.3	15
254	Two-dimensional solitons at interfaces between binary superlattices and homogeneous lattices. <i>Physical Review A</i> , 2009, 80, .	2.5	15
255	Vortex lattice solitons supported by localized gain. <i>Optics Letters</i> , 2010, 35, 3177.	3.3	15
256	Vortex twins and anti-twins supported by multiring gain landscapes. <i>Optics Letters</i> , 2011, 36, 3783.	3.3	15
257	Asymmetric solitons and domain walls supported by inhomogeneous defocusing nonlinearity. <i>Optics Letters</i> , 2012, 37, 5000.	3.3	15
258	Bound states in the continuum in spin-orbit-coupled atomic systems. <i>Physical Review A</i> , 2017, 96, .	2.5	15
259	Engineerable generation of quadratic solitons in synthetic phase matching. <i>Optics Letters</i> , 2000, 25, 1273.	3.3	14
260	Efficiency of quadratic soliton generation. <i>Optics Letters</i> , 2001, 26, 1277.	3.3	14
261	Multicolor Solitons. <i>Optics and Photonics News</i> , 2001, 12, 36.	0.5	14
262	Soliton emission in amplifying lattice surfaces. <i>Optics Letters</i> , 2007, 32, 2061.	3.3	14
263	Soliton percolation in random optical lattices. <i>Optics Express</i> , 2007, 15, 12409.	3.4	14
264	Power-dependent soliton steering in thermal nonlinear media. <i>Optics Letters</i> , 2009, 34, 2658.	3.3	14
265	Dyakonov surface wave resonant transmission. <i>Optics Express</i> , 2011, 19, 6339.	3.4	14
266	Suppression and restoration of disorder-induced light localization mediated by asymmetry breaking. <i>Laser and Photonics Reviews</i> , 2016, 10, 100-107.	8.7	14
267	Spinor-induced instability of kinks, holes and quantum droplets. <i>New Journal of Physics</i> , 2022, 24, 073012.	2.9	14
268	Guided waves in anisotropic antiguide structures. <i>Optics Communications</i> , 1994, 108, 239-242.	2.1	13
269	Guiding-center walking soliton. <i>Optics Letters</i> , 1998, 23, 1256.	3.3	13
270	Observation of optical vortex streets in walking second-harmonic generation. <i>Optics Letters</i> , 2002, 27, 625.	3.3	13

#	ARTICLE	IF	CITATIONS
271	Cnoidal wave patterns in quadratic nonlinear media. <i>Physical Review E</i> , 2003, 67, 066612.	2.1	13
272	Diffraction management of focused light beams in optical lattices with a quadratic frequency modulation. <i>Optics Express</i> , 2005, 13, 4244.	3.4	13
273	Bragg-type soliton mirror. <i>Optics Express</i> , 2006, 14, 1576.	3.4	13
274	Stable vortex-soliton tori with multiple nested phase singularities in dissipative media. <i>Physical Review A</i> , 2012, 85, .	2.5	13
275	Walk-off acceptance for quadratic soliton generation. <i>Optics Communications</i> , 2001, 191, 363-370.	2.1	12
276	Efficiency-enhanced soliton optical parametric amplifier. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2002, 19, 1396.	2.1	12
277	Tunable self-action of light in optical rectification. <i>Optics Communications</i> , 2002, 213, 351-356.	2.1	12
278	Packing, unpacking, and steering of multicolor solitons in optical lattices. <i>Optics Letters</i> , 2004, 29, 1399.	3.3	12
279	Bragg guiding of domainlike nonlinear modes and kink arrays in lower-index core structures. <i>Optics Letters</i> , 2008, 33, 1288.	3.3	12
280	Spatially localized modes in two-dimensional chirped photonic lattices. <i>Physical Review A</i> , 2008, 77, .	2.5	12
281	Anderson localization of light with topological dislocations. <i>Physical Review A</i> , 2013, 88, .	2.5	12
282	Dynamic localization in optical and Zeeman lattices in the presence of spin-orbit coupling. <i>Physical Review A</i> , 2016, 94, .	2.5	12
283	Topological edge states in Rashba-Dresselhaus spin-orbit-coupled atoms in a Zeeman lattice. <i>Physical Review A</i> , 2018, 98, .	2.5	12
284	Clusters of Cavity Solitons Bounded by Conical Radiation. <i>Physical Review Letters</i> , 2018, 121, 103903.	7.8	12
285	Dynamics of quadratic soliton excitation. <i>Optics Communications</i> , 1999, 162, 347-356.	2.1	11
286	Quantum Dots: Multidimensional Quantum States of the Angular. <i>Optics and Photonics News</i> , 2002, 13, 54.	0.5	11
287	Quadratic solitons: existence versus excitation. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2002, 8, 497-505.	2.9	11
288	Dispersion-managed cnoidal pulse trains. <i>Physical Review E</i> , 2003, 68, 026613.	2.1	11

#	ARTICLE	IF	CITATIONS
289	Stabilization of one-dimensional periodic waves by saturation of the nonlinear response. <i>Physical Review E</i> , 2003, 68, 065605.	2.1	11
290	Stable Multicolor Periodic-Wave Arrays. <i>Physical Review Letters</i> , 2004, 92, 033901.	7.8	11
291	Soliton Excitation in Waveguide Arrays with an Effective Intermediate Dimensionality. <i>Physical Review Letters</i> , 2009, 102, 063902.	7.8	11
292	Negative Goos-Hänchen shift in periodic media. <i>Optics Letters</i> , 2011, 36, 4446.	3.3	11
293	Inhibition of tunneling and edge state control in polariton topological insulators. <i>APL Photonics</i> , 2018, 3, 120801.	5.7	11
294	Finite-size effects in nonequilibrium correlation functions. <i>Physical Review A</i> , 1991, 44, 1077-1085.	2.5	10
295	Impact of imbalancing in the self-splitting of beams with nested vortices into solitons in quadratic non-linear crystals. <i>Optics Communications</i> , 1998, 158, 170-180.	2.1	10
296	Frequency doubling of femtosecond pulses in walk-off-compensated N-(4-nitrophenyl)-L-prolinol. <i>Optics Letters</i> , 2000, 25, 1735.	3.3	10
297	Reconfigurable directional couplers and junctions optically induced by nondiffracting Bessel beams. <i>Optics Letters</i> , 2005, 30, 1180.	3.3	10
298	Engineering soliton nonlinearities: from local to strongly nonlocal. <i>Optics Letters</i> , 2009, 34, 1543.	3.3	10
299	Observation of two-dimensional coherent surface vector lattice solitons. <i>Optics Letters</i> , 2009, 34, 1624.	3.3	10
300	Disorder-induced soliton transmission in nonlinear photonic lattices. <i>Optics Letters</i> , 2011, 36, 466.	3.3	10
301	General quasi-nonspreading linear three-dimensional wave packets. <i>Optics Letters</i> , 2011, 36, 2176.	3.3	10
302	Boundary effects in the Rayleigh line for a fluid out of thermal equilibrium. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1991, 173, 111-124.	2.6	9
303	Diagrammatic analysis of nonlinear planar waveguides. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1994, 11, 45.	2.1	9
304	Method for generating solitons sustained by competing nonlinearities by use of optical rectification. <i>Optics Letters</i> , 2002, 27, 1631.	3.3	9
305	Properties of quadratic multi-soliton generation near phase-match in periodically poled potassium titanyl phosphate. <i>Optics Express</i> , 2003, 11, 1328.	3.4	9
306	Generation of quadratic spatially trapped beams with short pulsed light. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2004, 6, S182-S189.	1.4	9

#	ARTICLE	IF	CITATIONS
307	Composite vortex-ring solitons in Bessel photonic lattices. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 1366.	2.1	9
308	Asymmetric matter-wave solitons at nonlinear interfaces. Physical Review A, 2006, 74, .	2.5	9
309	Compactons and bistability in exciton-polariton condensates. Physical Review B, 2012, 86, .	3.2	9
310	Cavity solitons in a microring dimer with gain and loss. Optics Letters, 2018, 43, 979.	3.3	9
311	Observation of self-focusing of light mediated by cubic nonlinearities in potassium titanyl phosphate. Optics Letters, 2002, 27, 2016.	3.3	8
312	Superposition of noncoaxial vortices in parametric wave mixing. Physical Review E, 2002, 66, 036608.	2.1	8
313	Nonlinear Optics: Self-Reflection and Routing of Multicolor Solitons. Optics and Photonics News, 2003, 14, 24.	0.5	8
314	Nonlinear photonic crystals near the supercollimation point. Optics Letters, 2008, 33, 1762.	3.3	8
315	Gap solitons on a ring. Optics Letters, 2008, 33, 2949.	3.3	8
316	Polarization conversion spectroscopy of hybrid modes. Optics Letters, 2009, 34, 3911.	3.3	8
317	Solitons in geometric potentials. Optics Letters, 2011, 36, 3470.	3.3	8
318	Self-deflecting plasmonic lattice solitons and surface modes in chirped plasmonic arrays. Optics Letters, 2015, 40, 898.	3.3	8
319	Asymmetric soliton mobility in competing linear and nonlinear parity-time-symmetric lattices. Optics Letters, 2016, 41, 4348.	3.3	8
320	Floquet Edge Multicolor Solitons. Laser and Photonics Reviews, 2022, 16, 2100398.	8.7	8
321	Nonlinear hybrid guided waves in birefringent media. Journal of the Optical Society of America B: Optical Physics, 1994, 11, 983.	2.1	7
322	Observation of azimuthal modulation instability and formation of patterns of optical solitons in a quadratic crystal. Optics Letters, 1998, 23, 1787.	3.3	7
323	Engineered nonlinear lattices. Physical Review E, 1999, 60, R5064-R5067.	2.1	7
324	Second-harmonic generation tuning curves with narrow, high-intensity beams for quasiphase-matched potassium titanyl phosphate. Applied Physics Letters, 2002, 81, 2710-2712.	3.3	7

#	ARTICLE	IF	CITATIONS
325	Stable one-dimensional periodic waves in Kerr-type saturable and quadratic nonlinear media. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2004, 6, S279-S287.	1.4	7
326	Topological Dragging of Solitons. <i>Physical Review Letters</i> , 2005, 95, 243902.	7.8	7
327	Optical surface waves supported and controlled by thermal waves. <i>Optics Letters</i> , 2008, 33, 506.	3.3	7
328	Dyakonov Surface Waves. <i>Optics and Photonics News</i> , 2009, 20, 25.	0.5	7
329	Stripe-like quasi-nondiffracting optical lattices. <i>Optics Express</i> , 2011, 19, 9505.	3.4	7
330	Light scattering in disordered honeycomb photonic lattices near the Dirac points. <i>Optics Letters</i> , 2013, 38, 3727.	3.3	7
331	Reversible Self-Replication of Spatiotemporal Kerr Cavity Patterns. <i>Physical Review Letters</i> , 2021, 126, 063903.	7.8	7
332	Unidirectional guided resonances in anisotropic waveguides. <i>Optics Letters</i> , 2021, 46, 2545.	3.3	7
333	Transition from Dirac points to exceptional points in anisotropic waveguides. <i>Physical Review Research</i> , 2019, 1, .	3.6	7
334	Cutoff behaviour of graded-index slab waveguides. <i>Optical and Quantum Electronics</i> , 1989, 21, 451-462.	3.3	6
335	Impurity solitons with quadratic nonlinearities. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1998, 249, 455-458.	2.1	6
336	Demonstration of vortex-induced beam shaping in seeded second-harmonic generation. <i>Optics Express</i> , 2001, 9, 110.	3.4	6
337	Metastability of dark snoidal-type waves in quadratic nonlinear media. <i>Physical Review E</i> , 2003, 68, 046609.	2.1	6
338	Observation of self-trapping of light in walk-off-compensating tandems. <i>Optics Letters</i> , 2004, 29, 382.	3.3	6
339	Oscillations of two-dimensional solitons in harmonic and Bessel optical lattices. <i>Physical Review E</i> , 2005, 71, 036621.	2.1	6
340	Nonlinear Tamm States in Periodic Photonic Structures. <i>Optics and Photonics News</i> , 2006, 17, 29.	0.5	6
341	Generating Ultra-Broadband Biphotons via Chirped QPM Down-conversion. <i>Optics and Photonics News</i> , 2008, 19, 36.	0.5	6
342	Soliton generation by counteracting gain-guiding and self-bending. <i>Optics Letters</i> , 2012, 37, 4540.	3.3	6

#	ARTICLE	IF	CITATIONS
343	Tunneling inhibition for subwavelength light. <i>Optics Letters</i> , 2013, 38, 2846.	3.3	6
344	Solitons in spiraling Vogel lattices. <i>Optics Letters</i> , 2013, 38, 190.	3.3	6
345	Conformal transformation of Dyakonov surface waves into bound states of cylindrical metamaterials. <i>Physical Review B</i> , 2019, 100, .	3.2	6
346	Spatial Solitons in Quadratic Nonlinear Media. , 2002, , 229-258.		5
347	Second harmonic generation tuning curves in quasiphase-matched potassium titanyl phosphate with narrow, high-intensity beams. <i>Journal of Applied Physics</i> , 2003, 93, 8852-8861.	2.5	5
348	Simultaneous frequency conversion and beam shaping for optical-tweezers applications. <i>Journal of Modern Optics</i> , 2003, 50, 1563-1572.	1.3	5
349	Nonlinearity-mediated soliton ejection from trapping potentials in nonlocal media. <i>Physical Review A</i> , 2010, 82, .	2.5	5
350	Anderson localization in Bragg-guiding arrays with negative defects. <i>Optics Letters</i> , 2012, 37, 4020.	3.3	5
351	Enhancement and inhibition of light tunneling mediated by resonant mode conversion. <i>Optics Letters</i> , 2014, 39, 933.	3.3	5
352	Slow light mediated by mode topological transitions in hyperbolic waveguides. <i>Optics Letters</i> , 2021, 46, 58.	3.3	5
353	Surface bound states in the continuum in Dyakonov structures. <i>Physical Review B</i> , 2022, 105, .	3.2	5
354	Normalized parameters for Y-branch optical waveguides. <i>Optics Letters</i> , 1991, 16, 636.	3.3	4
355	Quadratic solitons with gain and loss. <i>IEEE Journal of Quantum Electronics</i> , 1999, 35, 1344-1350.	1.9	4
356	Robustness of quadratic solitons with periodic gain. <i>Optics Communications</i> , 2000, 185, 479-485.	2.1	4
357	Reconfigurable dynamic beam shaping in seeded frequency doubling. <i>Optics Letters</i> , 2001, 26, 154.	3.3	4
358	Complex soliton-like pattern generation in Potassium Niobate due to noisy, high intensity, input beams. <i>Optics Express</i> , 2003, 11, 2206.	3.4	4
359	Topological light bullets supported by spatiotemporal gain. <i>Physical Review A</i> , 2012, 85, .	2.5	4
360	Dynamic versus Anderson wave-packet localization. <i>Physical Review A</i> , 2015, 91, .	2.5	4

#	ARTICLE	IF	CITATIONS
361	Spiraling vortices in exciton-polariton condensates. <i>Physical Review B</i> , 2020, 102, .	3.2	4
362	On the stability of TE0waves guided by thin films bounded by a nonlinear medium. <i>Journal of Optics</i> , 1993, 2, 235-242.	0.5	3
363	Bandwidth-enhanced quadratic soliton formation by on-sample single-band amplification. <i>IEEE Photonics Technology Letters</i> , 2000, 12, 1168-1170.	2.5	3
364	Deflection of quadratic solitons at edge dislocations. <i>Optics Letters</i> , 2003, 28, 1439.	3.3	3
365	GENERATION OF, AND INTERACTIONS BETWEEN, QUADRATIC SPATIAL SOLITONS IN NON-CRITICALLY-PHASE-MATCHED CRYSTALS. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2003, 12, 447-466.	1.8	3
366	Disorder-induced temperature fluctuations in nonequilibrium systems. <i>Journal of Physics A</i> , 1992, 25, 19-30.	1.6	2
367	Walking Solitons. <i>Optics and Photonics News</i> , 1997, 8, 45.	0.5	2
368	Singular Optics: Optical Vortex Streets. <i>Optics and Photonics News</i> , 2002, 13, 56.	0.5	2
369	Spatial Optical Solitons: introduction. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2005, 22, 1346.	2.1	2
370	Matter-wave soliton control in optical lattices with topological dislocations. <i>Physical Review A</i> , 2006, 74, .	2.5	2
371	Publisher's Note: Ultrabroadband Biphotons Generated via Chirped Quasi-Phase-Matched Optical Parametric Down-Conversion [Phys. Rev. Lett.100, 183601 (2008)]. <i>Physical Review Letters</i> , 2008, 100, .	7.8	2
372	Walking-vector-soliton caging and releasing. <i>Optics Letters</i> , 2009, 34, 1705.	3.3	2
373	Spectral tunneling of lattice nonlocal solitons. <i>Physical Review A</i> , 2010, 82, .	2.5	2
374	Nondiffracting Light On-Demand. <i>Optics and Photonics News</i> , 2010, 21, 43.	0.5	2
375	Second Harmonic Generation, Beam Dynamics and Spatial Soliton Generation in Periodically Poled KTiOPO ₄ . <i>Acta Physica Polonica A</i> , 2003, 103, 107-119.	0.5	2
376	Mode count in planar graded-index waveguides. <i>Journal Physics D: Applied Physics</i> , 1988, 21, S137-S139.	2.8	1
377	All-optical tunable guided-wave thresholding with birefringent media. <i>Optics Communications</i> , 1994, 111, 34-38.	2.1	1
378	A game of billiards WITH SPATIAL-SOLITARY WAVES IN KTP. <i>Optics and Photonics News</i> , 1996, 7, 34.	0.5	1

#	ARTICLE	IF	CITATIONS
379	Frequency-doubling of femtosecond pulses in walk-off compensated N-(4-nitrophenyl)-L-prolinol. , 0, , .		1
380	Quantum state engineering for spatial control of entangled photon pairs. , 2005, , .		1
381	Engineering of multicolor spatial solitons with chirped-period quasi-phase-matching gratings in optical parametric amplification. Optics Letters, 2005, 30, 1983.	3.3	1
382	Rotation-managed dissipative solitons. Optics Letters, 2013, 38, 2317.	3.3	1
383	Light dynamics in materials with radially inhomogeneous thermal conductivity. Optics Letters, 2013, 38, 4417.	3.3	1
384	Tunable ultrafast nonlinear optofluidic coupler. EPJ Web of Conferences, 2013, 41, 12010.	0.3	1
385	Observation of nonlinear corner states in a higher-order photonic topological insulator. , 2021, , .		1
386	Demonstration of a nonlinearity induced photonic topological insulator. , 2020, , .		1
387	Soliton content with quadratic nonlinearities. , 0, , .		0
388	Vortex nucleation and evolution in parametric wave mixing. , 0, , .		0
389	Adiabatic shaping of quadratic solitons:errata. Optics Letters, 1999, 24, 1077.	3.3	0
390	Vortex streets in walking parametric wave mixing:errata. Optics Letters, 2000, 25, 767.	3.3	0
391	Controllable Patterns of Parametric Solitons. Optics and Photonics News, 2001, 12, 63.	0.5	0
392	<title>Vortex nucleation and evolution in parametric wave mixing</title>. , 2001, , .		0
393	<title>Two-dimensional cnoidal waves in saturable nonlinear medium</title>. , 2004, , .		0
394	<title>Internal reflection and decay of <emph type="1">N</emph>-soliton beams at interface with linear dielectric</title>. , 2004, , .		0
395	The orbital angular momentum of photons in noncollinear spontaneous parametric downconversion. , 2005, , .		0
396	Twisted photons: new classical and quantum applications. , 2005, 5958, 418.		0

#	ARTICLE	IF	CITATIONS
397	Soliton control in tunable optical lattices. , 0, , .		0
398	Efficient generation of high-energy picosecond pulses at 355 nm in BiB/sub 3/O/sub 6/. , 0, , .		0
399	Soliton attraction by the edge of chirped optical lattice. , 2007, , .		0
400	Publisher's Note: Asymmetric matter-wave solitons at nonlinear interfaces [Phys. Rev. A74, 063616 (2006)]. Physical Review A, 2007, 75, .	2.5	0
401	Stable optical kinks at the edge of harmonic photonic lattice. , 2007, , .		0
402	Solitons phenomena in highly nonlocal media: From soliton wiring and surface solitons to random-phase solitons and controlling solitons from afar. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	0
403	Two-Dimensional Surface Lattice Solitons. Optics and Photonics News, 2007, 18, 42.	0.5	0
404	Nonlinear surface modes in annular waveguides. , 2008, , .		0
405	Solitons in optical lattices with spatially modulated nonlinearity. , 2009, , .		0
406	Observation of two-dimensional coherent surface vector solitons in femtosecond laser-written waveguide arrays. , 2009, , .		0
407	Observation of discrete-continuous optical bullets. , 2009, , .		0
408	Observation of Dyakonov Surface Waves. , 2009, , .		0
409	Spatio-temporal light propagation in complex two-dimensional waveguide lattices. , 2009, , .		0
410	Parametric amplification of random lattice soliton swinging. Optics Letters, 2009, 34, 1354.	3.3	0
411	Bloch-wave packet control in truncated modulated optical lattices. Optics Letters, 2010, 35, 4220.	3.3	0
412	Dynamics of Light Bullets in two-dimensional arrays of waveguides. , 2011, , .		0
413	Stable fundamental and vortex solitons supported by localized gain. , 2011, , .		0
414	Three-dimensional light bullets. Proceedings of SPIE, 2012, , .	0.8	0

#	ARTICLE	IF	CITATIONS
415	Resonant Bloch-wave beatings. Optics Letters, 2014, 39, 3826.	3.3	0
416	Observation of asymmetric solitons in waveguide arrays with refractive index gradient. Optics Letters, 2014, 39, 3694.	3.3	0
417	Existence Loci of Bound States in the Continuum in the Parameter Space of Anisotropic Planar Structures. , 2019, , .		0
418	Nonlinear corner states observed in Kagome higher-order photonic topological insulators. , 2021, , .		0
419	Bound States in the Continuum and Unidirectional Guided Resonances in Anisotropic Structures with Multiple Radiation Channels. , 2021, , .		0
420	Soliton content with quadratic nonlinearities. , 2001, , .		0
421	Soliton engineering with two-period QPM gratings. , 2002, , .		0
422	Quantum engineering for spatial control of entangled two-photon states. , 2004, , .		0
423	Soliton Self-Reflection At A Quadratically Nonlinear Interface. , 2004, , .		0
424	New Topologies for Solitons in Optical Lattices. , 2005, , .		0
425	Soliton Mobility in Nonlocal Nonlinear Media. , 2005, , .		0
426	Topological solitons in partially-PT-symmetric potentials. , 2016, , .		0
427	Globally-Linked Vortex Clusters. , 2004, , 81-98.		0
428	First realization of a nonlinearity-induced topological insulator. , 2021, , .		0