

# Dmitry Skryabin

## List of Publications by Year in descending order

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229  
papers

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232  
docs citations

232  
times ranked

3246  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ladder of Eckhaus instabilities and parametric conversion in $\chi(2)$ microresonators. Communications Physics, 2022, 5, .	5.3	4
2	Threshold of complexity and Arnold tongues in Kerr-ring microresonators. Physical Review A, 2021, 103, .	2.5	17
3	Photon-photon polaritons in $\chi(2)$ microresonators. Physical Review Research, 2021, 3, .	4.0	6
4	Topological solitons in arrays of modelocked lasers. Optics Letters, 2021, 46, 2123.	3.3	9
5	Controlling Microresonator Solitons with the Counter-Propagating Pump. Photonics, 2021, 8, 239.	2.0	0
6	Gap solitons supported by mode hybridisation in Lithium Niobate nano-waveguides. , 2021, , .		0
7	Four-wave mixing and Arnold tongues in high finesse Kerr ring microresonators. , 2021, , .		0
8	Soliton blockade in bi-directional Kerr microresonators. , 2021, , .		0
9	Moulding light on a ring. Communications Physics, 2021, 4, .	5.3	1
10	Bright-soliton frequency combs and dressed states in $\chi(2)$ microresonators. Physical Review A, 2021, 104, .	4.0	12
11	Sech-squared Pockels solitons in the microresonator parametric down-conversion. Optics Express, 2021, 29, 28521.	3.4	5
12	Soliton blockade and symmetry breaking in microresonators. , 2021, , .		0
13	Finesse and four-wave mixing in microresonators. Physical Review A, 2021, 103, .	2.5	10
14	Spatiotemporal solitons in dispersion-managed multimode fibers. Journal of Optics (United Kingdom), 2021, 23, 015501.	2.2	8
15	Tracing Evolution of Angle-Wavelength Spectrum along the 40-m Postfilament in Corridor Air. Photonics, 2021, 8, 446.	2.0	3
16	Solitons near avoided mode crossings in $\chi(2)$ nanowaveguides. Physical Review A, 2021, 104, .	4.0	6
17	Optical-parametric-oscillation-based $\chi(2)$ frequency comb in a lithium niobate microresonator. Optics Express, 2021, 29, 41378.	3.4	18
18	All-optical supercontinuum switching. Communications Physics, 2020, 3, .	5.3	13

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19	Raman solitons in waveguides with simultaneous quadratic and Kerr nonlinearities. <i>Physical Review A</i> , 2020, 102, .	2.5	6
20	Frequency Comb Generation via Cascaded Second-Order Nonlinearities in Microresonators. <i>Physical Review Letters</i> , 2020, 124, 203902.	7.8	60
21	Coupled-mode theory for microresonators with quadratic nonlinearity. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2020, 37, 2604.	2.1	13
22	Soliton blockade in bidirectional microresonators. <i>Optics Letters</i> , 2020, 45, 6446.	3.3	7
23	Hierarchy of coupled mode and envelope models for bi-directional microresonators with Kerr nonlinearity. <i>OSA Continuum</i> , 2020, 3, 1364.	1.8	26
24	Temporal Two-Component Solitons in Lithium Niobate Nano-Waveguides: Interaction with Dispersive Waves and Raman Shifts. , 2020, , .		0
25	Finite- $\epsilon$ Dimensional Bistable Topological Insulators: From Small to Large. <i>Laser and Photonics Reviews</i> , 2019, 13, 1900198.	8.7	19
26	Bloch oscillations of topological edge modes. <i>Physical Review A</i> , 2019, 99, .	2.5	9
27	Two-Dimensional Topological Polariton Laser. <i>Physical Review Letters</i> , 2019, 122, 083902.	7.8	78
28	Kapitza Pendulum Effect with Overclocked Raman Comb Solitons in a Microring Resonator. , 2019, , .		0
29	Quadratic Solitons and their Interaction with Dispersive Waves in Lithium Niobate Nano-Waveguides. , 2019, , .		0
30	Soliton Combs Generation Due to Parametric up and Down Conversion in a Microring Resonator with Quadratic Nonlinearity. , 2019, , .		0
31	Floquet topological insulator laser. <i>APL Photonics</i> , 2019, 4, .	5.7	20
32	Nonlinear gap modes and compactons in a lattice model for spin-orbit coupled exciton-polaritons in zigzag chains. <i>Journal of Physics Communications</i> , 2019, 3, 015001.	1.2	1
33	Spatiotemporal continuum generation in polariton waveguides. <i>Light: Science and Applications</i> , 2019, 8, 6.	16.6	16
34	Temporal quadratic solitons and their interaction with dispersive waves in lithium niobate nanowaveguides. <i>Physical Review Research</i> , 2019, 1, .	3.6	7
35	Stability analysis of numerically exact time-periodic breathers in the Lugiato-Lefever equation: Discrete vs continuum. <i>Physical Review Research</i> , 2019, 1, .	3.6	7
36	Soliton and quasi-soliton frequency combs due to second harmonic generation in microresonators. <i>Optics Express</i> , 2019, 27, 7098.	3.4	40

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37	Spatiotemporal dissipative solitons and vortices in a multi-transverse-mode fiber laser. Optics Express, 2019, 27, 37364.	3.4	39
38	Frequency combs in a microring optical parametric oscillator. Optics Letters, 2019, 44, 4443.	3.3	41
39	Emission of Dispersive Waves from Solitons in Axially Varying Optical Fibers. , 2019, , 301-316.		0
40	Transition from Propagating Polariton Solitons to a Standing Wave Condensate Induced by Interactions. Physical Review Letters, 2018, 120, 167402.	7.8	12
41	Emission of Dispersive Waves from Solitons in Axially Varying Optical Fibers. , 2018, , 1-16.		0
42	Chiral solitons in spinor polariton rings. Physical Review B, 2018, 97, .	3.2	11
43	Lieb polariton topological insulators. Physical Review B, 2018, 97, .	3.2	56
44	Spin Domains in One-Dimensional Conservative Polariton Solitons. ACS Photonics, 2018, 5, 5095-5102.	6.6	13
45	Frequency comb generation in a resonantly pumped exciton-polariton microring resonator. Optics Express, 2018, 26, 24003.	3.4	8
46	Dark solitons, dispersive waves and their collision in an optical fiber. , 2018, , .		0
47	Vortex modes supported by spin-orbit coupling in a laser with saturable absorption. New Journal of Physics, 2018, 20, 113019.	2.9	11
48	Inhibition of tunneling and edge state control in polariton topological insulators. APL Photonics, 2018, 3, 120801.	5.7	11
49	Clusters of Cavity Solitons Bounded by Conical Radiation. Physical Review Letters, 2018, 121, 103903.	7.8	12
50	Collision between a dark soliton and a linear wave in an optical fiber. Optics Express, 2018, 26, 23480.	3.4	7
51	One- and two-dimensional modes in the complex Ginzburg-Landau equation with a trapping potential. Optics Express, 2018, 26, 8849.	3.4	13
52	Cavity solitons in a microring dimer with gain and loss. Optics Letters, 2018, 43, 979.	3.3	9
53	Stationary and oscillatory bound states of dissipative solitons created by third-order dispersion. Optics Letters, 2018, 43, 2688.	3.3	35
54	Two-dimensional nonlinear modes and frequency combs in bottle microresonators. Optics Letters, 2018, 43, 2680.	3.3	13

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55	Resonant Edge-States Switching in Polariton Topological Insulators. <i>Laser and Photonics Reviews</i> , 2018, 12, 1700348.	8.7	24
56	Spin-Orbit Coupled Polariton Condensates in a Radially Periodic Potential: Multiring Vortices and Rotating Solitons. <i>ACS Photonics</i> , 2018, 5, 3634-3642.	6.6	9
57	Grayness-dependent emission of dispersive waves from dark solitons in optical fibers. <i>Optics Letters</i> , 2018, 43, 1511.	3.3	11
58	Dark Solitons in High Velocity Waveguide Polariton Fluids. <i>Physical Review Letters</i> , 2017, 119, 097403.	7.8	61
59	Exploring nonlinear topological states of matter with exciton-polaritons: Edge solitons in kagome lattice. <i>Scientific Reports</i> , 2017, 7, 1780.	3.3	75
60	Spin-orbit coupling and nonlinear modes of the polariton condensate in a harmonic trap. <i>New Journal of Physics</i> , 2017, 19, 085003.	2.9	10
61	Backward Cherenkov radiation emitted by polariton solitons in a microcavity wire. <i>Nature Communications</i> , 2017, 8, 1554.	12.8	23
62	Bistable Topological Insulator with Exciton-Polaritons. <i>Physical Review Letters</i> , 2017, 119, 253904.	7.8	86
63	Topological edge solitons in polaritonic lattice. , 2017, , .		0
64	Multiple nonlinear resonances and frequency combs in bottle microresonators. <i>Optics Express</i> , 2017, 25, 10306.	3.4	16
65	Spectral wings of the fiber supercontinuum and the dark-bright soliton interaction. <i>Optics Express</i> , 2017, 25, 10494.	3.4	13
66	Multistability and coexisting soliton combs in ring resonators: the Lugiato-Lefever approach. <i>Optics Express</i> , 2017, 25, 11550.	3.4	23
67	Self-locking of the frequency comb repetition rate in microring resonators with higher order dispersions. <i>Optics Express</i> , 2017, 25, 27442.	3.4	20
68	Raman-Kerr frequency combs in microresonators with normal dispersion. <i>Optics Express</i> , 2017, 25, 31148.	3.4	36
69	Modulational instability and solitons in microring resonators with localized pump. , 2017, , .		0
70	Topological insulator solitons in polariton graphene. , 2017, , .		0
71	Two-dimensional lattice solitons in polariton condensates with spin-orbit coupling. <i>Optics Letters</i> , 2016, 41, 5043.	3.3	9
72	Modulational instability and solitary waves in polariton topological insulators. <i>Optica</i> , 2016, 3, 1228.	9.3	119

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73	Efficiency of four-wave mixing between orthogonally polarized linear waves and solitons in a birefringent fiber. <i>Physical Review A</i> , 2016, 94, .	2.5	14
74	Emission of dispersive waves from a train of dark solitons in optical fibers. <i>Optics Letters</i> , 2016, 41, 2454.	3.3	21
75	Temporal dark polariton solitons. <i>Optics Letters</i> , 2016, 41, 1760.	3.3	1
76	Ultra-low-power polariton solitons in semiconductor waveguides and microcavities. , 2016, , .		0
77	Topological spin Meissner effect in spinor exciton-polariton condensate: Constant amplitude solutions, half-vortices, and symmetry breaking. <i>Physical Review B</i> , 2016, 94, .	3.2	24
78	Soliton physics with semiconductor excitonâ€“polaritons in confined systems. <i>Comptes Rendus Physique</i> , 2016, 17, 908-919.	0.9	25
79	White light generated by femtosecond optical vortex beams. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016, 33, 681.	2.1	22
80	Conversion efficiency of vector scattering between solitons and dispersive waves. , 2016, , .		0
81	Solitons and frequency combs in silica microring resonators: Interplay of the Raman and higher-order dispersion effects. <i>Physical Review A</i> , 2015, 92, .	2.5	91
82	Dark solitons and vortices in the intrinsic bistability regime in exciton polariton condensates. <i>Physical Review B</i> , 2015, 92, .	3.2	3
83	Spatial Patterns of Dissipative Polariton Solitons in Semiconductor Microcavities. <i>Physical Review Letters</i> , 2015, 115, 256401.	7.8	21
84	Multi-stability and polariton solitons in microcavity wires. <i>Optics Letters</i> , 2015, 40, 1787.	3.3	14
85	Ultra-low-power hybrid lightâ€“matter solitons. <i>Nature Communications</i> , 2015, 6, 8317.	12.8	74
86	Soliton families and resonant radiation in a micro-ring resonator near zero group-velocity dispersion: erratum. <i>Optics Express</i> , 2014, 22, 8068.	3.4	0
87	Tuning resonant interaction of orthogonally polarized solitons and dispersive waves with the soliton power. <i>Optics Express</i> , 2014, 22, 10995.	3.4	9
88	Vortex algebra by multiply cascaded four-wave mixing of femtosecond optical beams. <i>Optics Express</i> , 2014, 22, 11079.	3.4	24
89	Effects of Spin-Dependent Interactions on Polarization of Bright Polariton Solitons. <i>Physical Review Letters</i> , 2014, 112, 046403.	7.8	47
90	Soliton families and resonant radiation in a micro-ring resonator near zero group-velocity dispersion. <i>Optics Express</i> , 2014, 22, 3732.	3.4	103

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91	Multi-stability and polariton solitons in microcavity polaritonic wires. , 2014, , .		0
92	Newton's cradles in optics: From $N$ -soliton fission to soliton chains. Physical Review A, 2013, 87, .	2.5	54
93	Dispersion of nonlinearity in subwavelength waveguides: derivation of pulse propagation equation and frequency conversion effects. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 812.	2.1	6
94	Variational theory of soliplasmon resonances. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 2507.	2.1	11
95	Soliton interaction mediated by cascaded four wave mixing with dispersive waves. Optics Express, 2013, 21, 14481.	3.4	52
96	Graphene-clad tapered fiber: effective nonlinearity and propagation losses. Optics Letters, 2013, 38, 5244.	3.3	33
97	Trapping of dispersive waves in solitonic resonators and its role in supercontinuum generation. , 2013, , .		0
98	Understanding the fission of higher-order solitons under the action of the higher-order dispersion. , 2013, , .		0
99	Introduction of optical Newton cradle model for understanding the $N$ -solitons fission process under the action of higher order dispersion. , 2013, , .		0
100	Dispersion of Nonlinearity and Modulation Instability in Subwavelength Semiconductor Waveguides. , 2013, , .		0
101	Bright Polariton Solitons and Soliton Trains. , 2013, , .		0
102	Modulational instability in a silicon-on-insulator directional coupler: role of the coupling-induced group velocity dispersion. Optics Letters, 2012, 37, 668.	3.3	10
103	Soliton-plasmon resonances as Maxwell nonlinear bound states. Optics Letters, 2012, 37, 4221.	3.3	24
104	Polychromatic Cherenkov radiation and supercontinuum in tapered optical fibers. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 589.	2.1	21
105	Solitons in semiconductor microcavities. Nature Photonics, 2012, 6, 204-204.	31.4	3
106	Observation of bright polariton solitons in a semiconductor microcavity. Nature Photonics, 2012, 6, 50-55.	31.4	237
107	Evanescent coupling assisted four-wave mixing in a silicon-on-insulator directional coupler. Proceedings of SPIE, 2012, , .	0.8	0
108	Theory of Polariton Solitons in Semiconductor Microcavities. Springer Series in Optical Sciences, 2012, , 171-193.	0.7	2

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109	Parametric polariton solitons in coherently pumped semiconductor microcavities. Physical Review B, 2011, 84, .	3.2	25
110	Surface-induced nonlinearity enhancement in subwavelength rod waveguides. Physical Review A, 2011, 84, .	2.5	22
111	Surface-induced nonlinearity enhancement of TM modes in planar subwavelength waveguides. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 109.	2.1	26
112	Stable spatial plasmon solitons in a dielectric-metal-dielectric geometry with gain and loss. Optics Express, 2011, 19, 6616.	3.4	62
113	Dispersion of nonlinearity and modulation instability in subwavelength semiconductor waveguides. Optics Express, 2011, 19, 9345.	3.4	4
114	Spatio-Temporal Nonlinear Optics in Arrays of Subwavelength Waveguides. , 2011, , .		0
115	Nonlinear switching in arrays of semiconductor on metal photonic wires. Applied Physics Letters, 2011, 98, 111104.	3.3	13
116	Degenerate four-wave mixing of optical vortices assisted by self-phase and cross-phase modulation. Proceedings of SPIE, 2010, , .	0.8	3
117	New horizons for Hawking radiation. Physics Magazine, 2010, 3, .	0.1	1
118	Spatiotemporal nonlinear optics in arrays of subwavelength waveguides. Physical Review A, 2010, 82, .	2.5	25
119	One-dimensional polariton solitons and soliton waveguiding in microcavities. Superlattices and Microstructures, 2010, 47, 5-9.	3.1	11
120	Compressing slow solitons. Nature Photonics, 2010, 4, 806-807.	31.4	6
121	Vortex Lattices in Coherently Pumped Polariton Microcavities. Physical Review Letters, 2010, 104, 213903.	7.8	23
122	<i>Colloquium</i>: Looking at a soliton through the prism of optical supercontinuum. Reviews of Modern Physics, 2010, 82, 1287-1299.	45.6	318
123	Ginzburg-Landau equation bound to the metal-dielectric interface and transverse nonlinear optics with amplified plasmon polaritons. Physical Review A, 2010, 81, .	2.5	41
124	Nonlinear Optics and Solitons in Photonic Crystal Fibres. Springer Series in Optical Sciences, 2010, , 37-54.	0.7	1
125	Time and frequency domain measurements of solitons in subwavelength silicon waveguides using a cross-correlation technique. Optics Express, 2010, 18, 26625.	3.4	44
126	Amplified spontaneous emission of surface plasmon polaritons and limitations on the increase of their propagation length. Optics Letters, 2010, 35, 1197.	3.3	115

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127	Coupled-mode approach to surface plasmon polaritons in nonlinear periodic structures. Optics Letters, 2010, 35, 3532.	3.3	28
128	Supermode dispersion and waveguide-to-slot mode transition in arrays of silicon-on-insulator waveguides. Optics Letters, 2010, 35, 3925.	3.3	15
129	Two-Dimensional Localization of Exciton Polaritons in Microcavities. Physical Review Letters, 2010, 105, 073903.	7.8	62
130	Parametric instabilities of microcavity polaritons in a periodic potential. Physical Review B, 2010, 82, .	3.2	4
131	Polariton solitons due to saturation of the exciton-photon coupling. Physical Review B, 2010, 82, .	3.2	23
132	Cavity Polariton Solitons with Imprinted Nano Pattern. , 2010, , .		0
133	Spatial solitons in periodic nanostructures. Physical Review A, 2009, 79, .	2.5	27
134	Spatial solitons in periodic semiconductor-dielectric nano-structures. , 2009, , .		0
135	Bright Cavity Polariton Solitons. Physical Review Letters, 2009, 102, 153904.	7.8	113
136	Localized cavity polaritons supported by the exciton field discontinuities. , 2009, , .		0
137	Gap polariton solitons. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 3024-3027.	2.1	26
138	Continuum generation by dark solitons. Optics Letters, 2009, 34, 2096.	3.3	32
139	Amplification of surface plasmon polaritons in the presence of nonlinearity and spectral signatures of threshold crossover. Optics Letters, 2009, 34, 2864.	3.3	27
140	Coupling induced anomalous group velocity dispersion in nonlinear arrays of silicon photonic wires. Optics Express, 2009, 17, 5879.	3.4	25
141	Solitons in Hollow Core Photonic Crystal Fiber: Engineering Nonlinearity and Compressing Pulses. Journal of Lightwave Technology, 2009, 27, 1644-1652.	4.6	22
142	Gravity-Like Effects on Light and Fiber Supercontinuum. , 2009, , .		0
143	Solitons in Semiconductor Microcavities Operating in the Strong Coupling Regime. , 2009, , .		0
144	Solitons and spectral broadening in long silicon-on-insulator photonic wires. Optics Express, 2008, 16, 3310.	3.4	38

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145	Soliton self-frequency shift, non-solitonic radiation and self-induced transparency in air-core fibers. Optics Express, 2008, 16, 4858.	3.4	44
146	Dark polariton solitons in semiconductor microcavities. Physical Review A, 2008, 78, .	2.5	79
147	Spatiotemporal quasisolitons and resonant radiation in arrays of silicon-on-insulator photonic wires. Physical Review A, 2008, 78, .	2.5	36
148	Discrete cavity solitons due to saturable nonlinearity. Physical Review A, 2008, 78, .	2.5	28
149	Vortex solitons in an off-resonant Raman medium. Physical Review A, 2008, 77, .	2.5	11
150	Theory of the radiation trapping at the blue edge of supercontinuum and two-frequency quasi-solitons existing across the zero dispersion point. , 2007, , .		0
151	Cascaded Generation of Multiply Charged Optical Vortices and Spatiotemporal Helical Beams in a Raman Medium. Physical Review Letters, 2007, 98, 243601.	7.8	21
152	Localized structures of light in nonlinear devices with intracavity photonic bandgap material. , 2007, , .		0
153	Theory of radiation trapping by the accelerating solitons in optical fibers. Physical Review A, 2007, 76, .	2.5	91
154	Bouncing of a dispersive pulse on an accelerating soliton and stepwise frequency conversion in optical fibers. Optics Express, 2007, 15, 14560.	3.4	40
155	Nonlinear waveguide optics and photonic crystal fibers. Optics Express, 2007, 15, 15365.	3.4	85
156	Light trapping in gravity-like potentials and expansion of supercontinuum spectra in photonic-crystal fibres. Nature Photonics, 2007, 1, 653-657.	31.4	256
157	Phase-sensitive resonance in scattering of continuous waves on femtosecond solitons in photonic crystal fibers. Springer Series in Chemical Physics, 2007, , 217-219.	0.2	0
158	Gravity-like potential traps light and stretches optical supercontinuum. , 2007, , .		0
159	Quantum lattice solitons in ultracold bosons near the Feshbach resonance. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, 3507-3517.	1.5	3
160	Phase-sensitive scattering of a continuous wave on a soliton. Optics Letters, 2006, 31, 1624.	3.3	26
161	Slowing down of solitons by intrapulse Raman scattering in fibers with frequency cutoff. Optics Letters, 2006, 31, 3092.	3.3	10
162	Spectral-discrete solitons and localization in frequency space. Optics Letters, 2006, 31, 3309.	3.3	13

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163	Third-harmonic generation by Raman-shifted solitons in a photonic-crystal fiber. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 1975.	2.1	28
164	Bragg localized structures in a passive cavity with transverse modulation of the refractive index and the pump. Optics Express, 2006, 14, 1.	3.4	45
165	Polarization instability of solitons in photonic crystal fibers. Optics Express, 2006, 14, 6550.	3.4	13
166	Energy exchange between colliding solitons in photonic crystal fibers. Optics Express, 2006, 14, 9844.	3.4	60
167	Four-wave mixing of solitons with radiation and quasi-nondispersive wave packets at the short-wavelength edge of a supercontinuum. Optics Express, 2006, 14, 9854.	3.4	102
168	Modulational instability of discrete solitons in coupled waveguides with group velocity dispersion. Optics Express, 2006, 14, 12347.	3.4	19
169	<title>Resonant parametric interaction of electromagnetic waves in quadratic nonlinear medium</title>. , 2006, , .		0
170	Raman solitons with group velocity dispersion. Physical Review E, 2006, 74, 046616.	2.1	11
171	Nontopological Raman-Kerr self-induced transparency solitons in photonic crystal fibers. Physical Review E, 2006, 73, 045603.	2.1	7
172	Scattering of continuous waves on solitons in photonic crystal fibers. , 2006, , .		0
173	Localized states in a triangular set of linearly coupled complex Ginzburg-Landau equations. Physical Review E, 2006, 74, 066604.	2.1	20
174	Localized Polaritons and Second-Harmonic Generation in a Resonant Medium with Quadratic Nonlinearity. Physical Review Letters, 2006, 96, 163904.	7.8	16
175	Phase-sensitive resonance in scattering of continuous waves on femtosecond solitons in photonic crystal fibers. , 2006, , .		0
176	Theory of generation of new frequencies by mixing of solitons and dispersive waves in optical fibers. Physical Review E, 2005, 72, 016619.	2.1	170
177	Interaction of an Optical Soliton with a Dispersive Wave. Physical Review Letters, 2005, 95, 213902.	7.8	128
178	Dissipative localized structures of light in photonic crystal films. Optics Express, 2005, 13, 3529.	3.4	28
179	Resonant radiation and collapse of ultrashort pulses in planar waveguides. Optics Letters, 2005, 30, 525.	3.3	15
180	Visualizing nonlinear dynamics in optical waveguides. , 2005, 5714, 160.		1

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181	Resonant $\pi$ - and $2\pi$ -solitons in gas-filled Hollow-Core PCFs. , 2005, , .		0
182	Effective Kerr Nonlinearity and Two-Color Solitons in Photonic Band-Gap Fibers Filled with a Raman Active Gas. Physical Review Letters, 2004, 93, 143907.	7.8	40
183	Theory of the soliton self-frequency shift compensation by the resonant radiation in photonic crystal fibers. Physical Review E, 2004, 70, 016615.	2.1	133
184	Vector modulational instabilities in ultra-small core optical fibres. Journal of Optics, 2004, 6, 301-306.	1.5	26
185	Coupled core-surface solitons in photonic crystal fibers. Optics Express, 2004, 12, 4841.	3.4	41
186	Time-spectrally-resolved ultrafast nonlinear dynamics in small-core photonic crystal fibers: Experiment and modelling. Optics Express, 2004, 12, 6498.	3.4	88
187	Four-wave mixing of linear waves and solitons in fibers with higher-order dispersion. Optics Letters, 2004, 29, 2411.	3.3	147
188	<title>Modulation instability and decay of atomic Bose-Einstein condensates into solitonic trains</title>. , 2004, , .		1
189	Four-wave mixing instabilities in ultra-small core fibers. , 2004, , .		0
190	Transformation and control of ultra-short pulses in dispersion-engineered photonic crystal fibres. Nature, 2003, 424, 511-515.	27.8	402
191	Out-of-gap Bose-Einstein solitons in optical lattices. Physical Review A, 2003, 67, .	2.5	22
192	Soliton Self-Frequency Shift Cancellation in Photonic Crystal Fibers. Science, 2003, 301, 1705-1708.	12.6	459
193	Four-wave mixing instabilities in photonic-crystal and tapered fibers. Physical Review E, 2003, 68, 046603.	2.1	56
194	Transition Radiation by Matter-Wave Solitons in Optical Lattices. Physical Review Letters, 2003, 91, 260402.	7.8	30
195	Stability of spiralling solitary waves in Hamiltonian systems. Physical Review E, 2002, 66, 055602.	2.1	23
196	Polarization dynamics of Bragg solitons. Physical Review E, 2002, 66, 046603.	2.1	9
197	Vortex Induced Rotation of Clusters of Localized States in the Complex Ginzburg-Landau Equation. Physical Review Letters, 2002, 89, 044101.	7.8	62
198	Two-dimensional clusters of solitary structures in driven optical cavities. Physical Review E, 2002, 65, 046606.	2.1	101

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199	Energy of the soliton internal modes and broken symmetries in nonlinear optics. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 529.	2.1	28
200	Interaction of dissipative localized structures in nonlinear optics. , 2002, , NLTuB1.		0
201	Optical solitons due to quadratic nonlinearities: from basic physics to futuristic applications. Physics Reports, 2002, 370, 63-235.	25.6	379
202	Internal oscillations of solitons in two-dimensional NLS equation with nonlocal nonlinearity. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 293, 45-49.	2.1	37
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