

Bertrand Kibler

List of Publications by Year in descending order

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212
papers

6,740
citations

93792

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h-index

73587

79
g-index

213
all docs

213
docs citations

213
times ranked

3001
citing authors

#	ARTICLE	IF	CITATIONS
1	Idealized four-wave mixing dynamics in a nonlinear Schrödinger equation fiber system. <i>Optica</i> , 2022, 9, 656.	4.8	11
2	Quadratics for Structuring Invariant Space-Time Wavepackets. <i>ACS Photonics</i> , 2022, 9, 2066-2072.	3.2	15
3	Towards absorption spectroscopy by means of mid-infrared supercontinuum generation in a step index tellurite fiber. <i>Laser Physics</i> , 2021, 31, 025702.	0.6	5
4	Numerical modelings of ultrashort pulse propagation and conical emission in multimode optical fibers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, 732.	0.9	7
5	Temporal optical besselon waves for high-repetition rate picosecond sources. <i>JPhys Photonics</i> , 2021, 3, 025001.	2.2	2
6	Octave-spanning coherent supercontinuum generation in a step-index tellurite fiber and towards few-cycle pulse compression at 2×10^{14} W/cm ² . <i>Optics Communications</i> , 2021, 488, 126853.	1.0	15
7	1.7-18 μ m mid-infrared supercontinuum generation in a dispersion-engineered step-index chalcogenide fiber. <i>Results in Physics</i> , 2021, 26, 104397.	2.0	28
8	Spatiotemporal Helicon Wavepackets. <i>ACS Photonics</i> , 2021, 8, 2345-2354.	3.2	26
9	The Peregrine Breather on the Zero-Background Limit as the Two-Soliton Degenerate Solution: An Experimental Study. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	9
10	Discretized Conical Waves in Multimode Optical Fibers. <i>Physical Review Letters</i> , 2021, 126, 023902.	2.9	28
11	Discretized X-Wave in a Multimode Optical Fiber. , 2021, , .		0
12	Numerical modelling of conical wave formation in multimode optical fibers. , 2021, , .		0
13	Experimental Realization of Periodic Deep-Water Wave Envelopes with and without Dissipation. <i>Water Waves</i> , 2020, 2, 113-122.	0.3	4
14	Space-time evolution of optical breathers and modulation instability patterns in metamaterial waveguides. <i>Wave Motion</i> , 2020, 93, 102448.	1.0	7
15	Ghost Interaction of Breathers. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	5
16	Surface-polaritonic phase singularities and multimode polaritonic frequency combs via dark rogue-wave excitation in hybrid plasmonic waveguide. <i>New Journal of Physics</i> , 2020, 22, 033008.	1.2	10
17	Akhmediev breather signatures from dispersive propagation of a periodically phase-modulated continuous wave. <i>Wave Motion</i> , 2020, 95, 102545.	1.0	13
18	Review of tellurite glasses purification issues for mid-IR optical fiber applications. <i>Journal of the American Ceramic Society</i> , 2020, 103, 4017-4034.	1.9	38

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19	Observation of modulation instability and rogue breathers on stationary periodic waves. Physical Review Research, 2020, 2, .	1.3	34
20	Comparative analysis of stimulated Brillouin scattering at $2\mu\text{m}$ in various infrared glass-based optical fibers. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 3792.	0.9	17
21	Polarization modulation instability in a nonlinear fiber Kerr resonator. Optics Letters, 2020, 45, 5069.	1.7	12
22	Mid-IR supercontinuum in optical fibers drawn from low phonon energy glasses. , 2020, , .		0
23	Multiple spatial and wavelength conversion operations based on a frequency-degenerated intermodal four-wave mixing process in a graded-index 6-LP few-mode fiber. Applied Optics, 2020, 59, 5497.	0.9	1
24	Theoretical and Experimental Studies of Breather Wave Molecules. , 2019, , .		0
25	Control of Space-Time Trajectories of Noise-Driven Optical Extreme Events in Metamaterial Waveguides. , 2019, , .		0
26	Optical Cavity-Less 40-GHz Picosecond Pulse Generator in the Visible Wavelength Range. , 2019, , .		0
27	Titanium Dioxide Waveguides for Supercontinuum Generation and Optical Transmissions in the Near- and Mid-Infrared. , 2019, , .		0
28	Mid-infrared two-octave spanning supercontinuum generation in a GeSeTe glass suspended core fiber. Laser Physics Letters, 2019, 16, 075402.	0.6	9
29	Towards athermal Brillouin strain sensing based on heavily germania-doped core optical fibers. APL Photonics, 2019, 4, .	3.0	14
30	Turbulence-Induced Rogue Waves in Kerr Resonators. Physical Review X, 2019, 9, .	2.8	21
31	Breather Wave Molecules. Physical Review Letters, 2019, 122, 084101.	2.9	100
32	High-Quality 10 and 20 GHz Repetition Rate Optical Sources Based on the Spectral Phase Tailoring of a Temporal Sinusoidal Phase Modulation. , 2019, , .		0
33	Kerr Optical Frequency Combs Generated Around $2\frac{1}{4}\mu\text{m}$ in a Dual-Pumped Brillouin Fiber Ring Resonator. , 2019, , .		1
34	Phase Evolution of Peregrine-Like Solitons in Nonlinear Fiber Optics. , 2019, , .		0
35	Phase evolution of Peregrine-like breathers in optics and hydrodynamics. Physical Review E, 2019, 99, 012207.	0.8	35
36	$2\frac{1}{4}\mu\text{m}$ Brillouin laser based on infrared nonlinear glass fibers. Applied Optics, 2019, 58, 6365.	0.9	8

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37	Isotropic polarization modulational instability in single-mode conventional telecom fibers. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 2445.	0.9	6
38	Mid-infrared supercontinuum generation from 2 to 14 μm in arsenic- and antimony-free chalcogenide glass fibers. Journal of the Optical Society of America B: Optical Physics, 2019, 36, A183.	0.9	37
39	Triangular spectral phase tailoring for the generation of high-quality picosecond pulse trains. Optics Letters, 2019, 44, 4913.	1.7	14
40	Temporal Tweezing of Polarization Domain Walls in a Fiber Kerr Resonator. , 2019, , .		0
41	Supercontinuum generation in titanium dioxide waveguides. , 2019, , .		0
42	Observation of a group of dark rogue waves in a telecommunication optical fiber. Physical Review A, 2018, 97, .	1.0	75
43	Dispersion-Engineered Step-Index Tellurite Fibers for Mid-Infrared Coherent Supercontinuum Generation from 1.5 to 4.5 μm with Sub-Nanojoule Femtosecond Pump Pulses. Applied Sciences (Switzerland), 2018, 8, 1875.	1.3	22
44	Longitudinal phase evolution of Peregrine-like breathers. , 2018, , .		0
45	Selective generation of Kerr combs induced by asymmetrically phase-detuned dual pumping of a fiber ring cavity. Optics Letters, 2018, 43, 4449.	1.7	5
46	Expanding up to far-infrared filamentation-induced supercontinuum spanning in chalcogenide glasses. Applied Physics B: Lasers and Optics, 2018, 124, 1.	1.1	5
47	Experimental observation of the emergence of Peregrine-like events in focusing dam break flows. Optics Letters, 2018, 43, 2864.	1.7	23
48	Octave Spanning Supercontinuum in Titanium Dioxide Waveguides. Applied Sciences (Switzerland), 2018, 8, 543.	1.3	26
49	Flip-Flop Polarization Domain Walls in a Kerr Resonator. , 2018, , .		1
50	Dispersion-engineered step-index tellurite fibers for mid-infrared supercontinuum generation from 1.5 to 4.5 μm . , 2018, , .		1
51	Large Brillouin gain in Germanium-doped core optical fibers up to a 98 $\mu\text{mol}\%$ doping level. Optics Letters, 2018, 43, 4005.	1.7	23
52	Intermodal Modulation Instability and Four-Wave Mixing in Graded-Index Few-Mode Fibers. , 2018, , .		0
53	Nonlinear spectral analysis of Peregrine solitons observed in optics and in hydrodynamic experiments. Physical Review E, 2018, 98, 022219.	0.8	49
54	Polarization modulation instability in a fiber Kerr resonator. , 2018, , .		1

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55	Observation of Peregrine-like events in focusing dispersive dam break flows. , 2018, , .		0
56	Octave spanning supercontinuum in titanium dioxide waveguides. , 2018, , .		0
57	Temperature and strain Brillouin sensing coefficients of heavily doped Germanium-core optical fibers. , 2018, , .		1
58	Observation of molecule-like breathers in optical fibers. , 2018, , .		0
59	Stimulated Brillouin scattering in Germanium-doped-core optical fibers up to 98% mol doping level. , 2018, , .		0
60	Nonlinear waves in hyperbolic metamaterials: focus on solitons and rogues. , 2018, , .		0
61	Experimental observation of dispersive photon focusing dam break flows (Conference Presentation). , 2018, , .		0
62	Mid-IR supercontinuum between 1 and 5 μm in step index tellurite fibres for greenhouse or pollutant gases detection (Conference Presentation). , 2018, , .		0
63	Nonlinear glasses-based microstructured or step-index optical fibers: mid-IR supercontinuum generation and IR spectroscopy applications. , 2017, , .		1
64	Supercontinuum Generation in Tellurite Optical Fibers. Springer Series in Materials Science, 2017, , 277-299.	0.4	8
65	Waves in hyperbolic and double negative metamaterials including rogues and solitons. Nanotechnology, 2017, 28, 444001.	1.3	35
66	Experiments on higher-order and degenerate Akhmediev breather-type rogue water waves. Journal of Ocean Engineering and Marine Energy, 2017, 3, 385-394.	0.9	12
67	Optical aging observation in suspended core tellurite microstructured fibers under atmospheric conditions. Optical Fiber Technology, 2017, 38, 154-159.	1.4	4
68	Nonconservative higher-order hydrodynamic modulation instability. Physical Review E, 2017, 96, 022219.	0.8	26
69	Far-detuned cascaded intermodal four-wave mixing in a multimode fiber. Optics Letters, 2017, 42, 1293.	1.7	59
70	Polarized all-normal dispersion supercontinuum reaching 25 μm generated in a birefringent microstructured silica fiber. Optics Express, 2017, 25, 27452.	1.7	31
71	Tailoring supercontinuum generation beyond 2 μm in step-index tellurite fibers. Optics Letters, 2017, 42, 247.	1.7	30
72	Cascaded intermodal four-wave mixing in a few-mode fiber. , 2017, , .		0

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73	Coherent supercontinuum generation beyond 2.6 μm in all-normal dispersion silica microstructured fibers. , 2017, , .		0
74	Bichromatically pumped nonlinear fiber ring cavity. , 2017, , .		0
75	Nonlinear spectrum broadening cancellation by sinusoidal phase modulation. Optics Letters, 2017, 42, 2902.	1.7	14
76	High repetition rate mid-infrared supercontinuum generation from 13 to 53 μm in robust step-index tellurite fibers. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 601.	0.9	55
77	Coherent and incoherent seeding of dissipative modulation instability in a nonlinear fiber ring cavity. Optics Letters, 2017, 42, 251.	1.7	12
78	Les fibres optiques pour simuler les phénomènes hydrodynamiques avec la lumière. Photoniques, 2017, , 36-39.	0.0	0
79	Fabrication and characterization of step-index tellurite fibers with varying numerical aperture for near- and mid-infrared nonlinear optics. Journal of the Optical Society of America B: Optical Physics, 2016, 33, D12.	0.9	30
80	Optical Dark Rogue Wave. Scientific Reports, 2016, 6, 20785.	1.6	113
81	Compact supercontinuum sources based on tellurite suspended core fibers for absorption spectroscopy beyond 2 μm . Laser Physics Letters, 2016, 13, 075402.	0.6	10
82	Roadmap on optical rogue waves and extreme events. Journal of Optics (United Kingdom), 2016, 18, 063001.	1.0	225
83	Filament-induced visible-to-mid-IR supercontinuum in a ZnSe crystal: Towards multi-octave supercontinuum absorption spectroscopy. Optical Materials, 2016, 60, 355-358.	1.7	25
84	Experiments on Breathers in Nonlinear Fibre Optics. Lecture Notes in Physics, 2016, , 89-115.	0.3	3
85	Cross-phase-modulation-instability band gap in a birefringence-engineered photonic-crystal fiber. Physical Review A, 2016, 93, .	1.0	9
86	Modulation Instability and Phase-Shifted Fermi-Pasta-Ulam Recurrence. Scientific Reports, 2016, 6, 28516.	1.6	112
87	40GHz picosecond pulse source based on a cross-phase modulation induced orthogonal focusing in normally dispersive optical fibers (Conference Presentation). , 2016, , .		0
88	Experimental long-term survey of mid-infrared supercontinuum source based on As ₂ S ₃ suspended-core fibers. Applied Physics B: Lasers and Optics, 2016, 122, 1.	1.1	14
89	40 μm GHz pulse source based on cross-phase modulation-induced focusing in normally dispersive optical fibers. Optics Letters, 2016, 41, 1110.	1.7	6
90	80 GHz waveform generated by the optical Fourier synthesis of four spectral sidebands. Laser Physics Letters, 2016, 13, 015102.	0.6	3

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91	Multiple four-wave mixing and Kerr combs in a bichromatically pumped nonlinear fiber ring cavity. <i>Optics Letters</i> , 2016, 41, 5462.	1.7	19
92	Polarization domain-wall cavity solitons in isotropic fiber ring resonators. , 2016, , .		1
93	40-GHz Pulse Source Based on XPM-Induced Focusing in Normally Dispersive Optical Fibers. , 2016, , .		0
94	80GHz waveform generator by optical Fourier synthesis of four spectral sidebands (Conference) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6		0
95	Polarization modulation instability in a Manakov fiber system. <i>Physical Review A</i> , 2015, 92, .	1.0	61
96	Turbulent dynamics of an incoherently pumped passive optical fiber cavity: Quasisolitons, dispersive waves, and extreme events. <i>Physical Review A</i> , 2015, 91, .	1.0	28
97	Mid-infrared filamentation-induced supercontinuum in As ² S ₃ and an As-free Ge ² S ₃ counterpart chalcogenide glasses. <i>Applied Physics B: Lasers and Optics</i> , 2015, 121, 433-438.	1.1	20
98	Superregular Breathers in Optics and Hydrodynamics: Omnipresent Modulation Instability beyond Simple Periodicity. <i>Physical Review X</i> , 2015, 5, .	2.8	91
99	Nonlinear mode coupling in a birefringent microstructured fiber tuned by externally applied hydrostatic pressure. <i>Journal of Optics (United Kingdom)</i> , 2015, 17, 035506.	1.0	0
100	The nonlinear Schrödinger equation and the propagation of weakly nonlinear waves in optical fibers and on the water surface. <i>Annals of Physics</i> , 2015, 361, 490-500.	1.0	75
101	Enhanced supercontinuum generation in tapered tellurite suspended core fiber. <i>Optics Communications</i> , 2015, 354, 374-379.	1.0	29
102	Spectral broadening in low OH content and dispersion-managed tellurite fibres for compact mid IR sources. , 2015, , .		0
103	Impact of optical and structural aging in As ₂ S ₃ microstructured optical fibers on mid-infrared supercontinuum generation. <i>Optics Express</i> , 2014, 22, 23912.	1.7	24
104	Multi-octave midinfrared supercontinuum generation in suspended-core chalcogenide fibers. <i>Optics Letters</i> , 2014, 39, 2684.	1.7	73
105	Observation of Manakov polarization modulation instability in the normal dispersion regime of randomly birefringent telecom optical fiber. , 2014, , .		1
106	Two-stage linear-nonlinear shaping of an optical frequency comb as rogue nonlinear-Schrödinger-equation-solution generator. <i>Physical Review A</i> , 2014, 89, .	1.0	47
107	Hydrodynamics of periodic breathers. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2014, 372, 20140005.	1.6	63
108	High repetition rates and high quality optical pulse train generator based on solitons over finite background. , 2013, , .		0

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109	Spontaneous generation of spectral incoherent solitons through supercontinuum generation. , 2013, , .		0
110	Truncated thermalization of incoherent optical waves through supercontinuum generation in photonic crystal fibers. Physical Review A, 2013, 87, .	1.0	14
111	Management of OH absorption in tellurite optical fibers and related supercontinuum generation. Optical Materials, 2013, 35, 1595-1599.	1.7	48
112	Collision of Akhmediev Breathers in Nonlinear Fiber Optics. Physical Review X, 2013, 3, .	2.8	70
113	Nonlinear frequency conversion in a birefringent microstructured fiber tuned by externally applied hydrostatic pressure. Optics Letters, 2013, 38, 5260.	1.7	13
114	Cross-phase modulational instability induced by Raman scattering in highly birefringent fiber. Optics Letters, 2013, 38, 5327.	1.7	6
115	High-quality optical pulse train generator based on solitons on finite background. Optics Letters, 2013, 38, 1663.	1.7	23
116	Mid-infrared supercontinuum generation in suspended-core chalcogenide and tellurite optical fibers. , 2013, , .		0
117	Long-range incoherent solitons. , 2013, , .		0
118	Impact of fourth-order dispersion in the spectra of polarization-modulational instability in highly nonlinear fibers. Physical Review A, 2013, 87, .	1.0	8
119	Direct temporal reconstruction of picosecond pulse by cross-correlation in semiconductor device. Electronics Letters, 2012, 48, 778.	0.5	1
120	All-fiber spectral compression of picosecond pulses at telecommunication wavelength enhanced by amplitude shaping. Applied Optics, 2012, 51, 4547.	0.9	35
121	Rogue Wave Description: Rational Solitons and Wave Turbulence Theory. , 2012, , .		0
122	Mid-infrared 2000-nm bandwidth supercontinuum generation in suspended-core microstructured Sulfide and Tellurite optical fibers. Optics Express, 2012, 20, 27083.	1.7	96
123	Temporal dynamics of incoherent waves in noninstantaneous response nonlinear Kerr media. Optics Letters, 2012, 37, 2472.	1.7	21
124	Fiber-based device for the detection of low-intensity fluctuations of ultrashort pulses. Applied Optics, 2012, 51, 949.	0.9	3
125	Higher-order modulation instability in fiber optics. , 2012, , .		0
126	Thermodynamic approach of supercontinuum generation. Optical Fiber Technology, 2012, 18, 257-267.	1.4	6

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127	Nonlinear spectral shaping and optical rogue events in fiber-based systems. <i>Optical Fiber Technology</i> , 2012, 18, 248-256.	1.4	14
128	Observation of Kuznetsov-Ma soliton dynamics in optical fibre. <i>Scientific Reports</i> , 2012, 2, 463.	1.6	345
129	Temporal incoherent solitons supported by a defocusing nonlinearity with anomalous dispersion. <i>Physical Review A</i> , 2012, 86, .	1.0	16
130	All-optical fiber-based devices for ultrafast amplitude jitter magnification. , 2012, , .		0
131	Higher-order Modulation Instability in Optical Fibers. , 2012, , .		0
132	Optical rogue waves and localized structures in nonlinear fiber optics. , 2011, , .		0
133	Emergence of spectral incoherent solitons through supercontinuum generation in a photonic crystal fiber. <i>Physical Review E</i> , 2011, 84, 066605.	0.8	30
134	Higher-Order Modulation Instability in Nonlinear Fiber Optics. <i>Physical Review Letters</i> , 2011, 107, 253901.	2.9	182
135	Impact of the material absorption on the modulational instability spectra of wave propagation in high-index glass fibers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011, 28, 1518.	0.9	24
136	Grating-assisted third-harmonic generation in photonic crystal fibers using a pulse pump. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011, 28, 2075.	0.9	5
137	Peregrine soliton generation and breakup in standard telecommunications fiber. <i>Optics Letters</i> , 2011, 36, 112.	1.7	121
138	Suppression of the frequency drift of modulational instability sidebands by means of a fiber system associated with a photon reservoir. <i>Optics Letters</i> , 2011, 36, 256.	1.7	7
139	Spectral dynamics of modulation instability described using Akhmediev breather theory. <i>Optics Letters</i> , 2011, 36, 2140.	1.7	92
140	Rediscovered dynamics of nonlinear fiber optics: from breathers to extreme localisation. , 2011, , .		0
141	Supercontinuum generation in suspended core microstructured tellurite optical fibers. , 2011, , .		2
142	Analytical studies of modulation instability and nonlinear compression dynamics in optical fiber propagation. <i>Proceedings of SPIE</i> , 2011, , .	0.8	2
143	Peregrine soliton in optical fiber-based systems. , 2011, , .		1
144	Suspended core tellurite glass optical fibers for infrared supercontinuum generation. <i>Optical Materials</i> , 2011, 33, 1661-1666.	1.7	56

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145	Quasi-Phase-Matched Third Harmonic Generation in Optical Fibers Using Refractive-Index Gratings. IEEE Journal of Quantum Electronics, 2011, 47, 622-629.	1.0	23
146	Discrete spectral incoherent solitons in nonlinear media with noninstantaneous response. Physical Review A, 2011, 83, .	1.0	23
147	Rogue waves, rational solitons and wave turbulence theory. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 3149-3155.	0.9	55
148	Recent developments in chalcogenide photonic crystal fibres. , 2011, , .		0
149	Universal spectral dynamics of modulation instability: theory, simulation, experiment. , 2011, , .		1
150	Optical peregrine soliton generation in standard telecommunication fibers. , 2011, , .		1
151	General approach to spatiotemporal modulational instability processes. Physical Review A, 2011, 83, .	1.0	31
152	Nonlinear effects generation in suspended core chalcogenide fibre. Proceedings of SPIE, 2011, , .	0.8	1
153	Optimization and characterization of a femtosecond tunable light source based on the soliton self-frequency shift in photonic crystal fiber. Proceedings of SPIE, 2011, , .	0.8	7
154	Mid-infrared extension of supercontinuum in chalcogenide suspended core fibre through soliton gas pumping. Electronics Letters, 2011, 47, 398.	0.5	18
155	Experimental observation of infrared spectral enlargement in As ₂ S ₃ suspended core microstructured fiber. , 2010, , .		0
156	The dynamics of a developing CW supercontinuum: analytical predictions and experiments. , 2010, , .		0
157	Multiple four-wave mixing in optical fibers: 1.5–3.4-THz femtosecond pulse sources and real-time monitoring of a 20-GHz picosecond source. Optics Communications, 2010, 283, 2425-2429.	1.0	32
158	Emergence of rogue waves from optical turbulence. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 3585-3589.	0.9	114
159	The Peregrine soliton in nonlinear fibre optics. Nature Physics, 2010, 6, 790-795.	6.5	1,166
160	Modulation instability, Akhmediev breathers, and rogue waves in nonlinear fiber optics. Proceedings of SPIE, 2010, , .	0.8	1
161	Supercontinuum to solitons: New nonlinear structures in fiber propagation. , 2010, , .		0
162	Emergence of extreme events in fiber-based nonlinear devices. , 2010, , .		0

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163	Group birefringence cancellation in highly birefringent photonic crystal fibre at telecommunication wavelengths. Electronics Letters, 2010, 46, 525.	0.5	8
164	Akhmediev Breather dynamics and the nonlinear modulation instability spectrum. Proceedings of SPIE, 2010, , .	0.8	0
165	Strong infrared spectral broadening in low-loss As-S chalcogenide suspended core microstructured optical fibers. Optics Express, 2010, 18, 4547.	1.7	144
166	Optical CDMA enhanced by nonlinear optics. , 2010, , .		0
167	Soliton generation and rogue-wave like behavior through fourth order modulation instability. , 2010, , .		0
168	Spectral incoherent solitons. , 2009, , .		0
169	Tailored soliton statistics in supercontinuum generation. , 2009, , .		0
170	Thermodynamic approach of supercontinuum generation. , 2009, , .		0
171	Soliton and rogue wave statistics in supercontinuum generation in photonic crystal fibre with two zero dispersion wavelengths. European Physical Journal: Special Topics, 2009, 173, 289-295.	1.2	23
172	Thermalization of incoherent nonlinear waves. European Physical Journal: Special Topics, 2009, 173, 313-340.	1.2	2
173	Experimental signature of optical wave thermalization through supercontinuum generation in photonic crystal fiber. Optics Express, 2009, 17, 7392.	1.7	60
174	Nonlinear femtosecond pulse propagation in an all-solid photonic bandgap fiber. Optics Express, 2009, 17, 10393.	1.7	35
175	Modulation instability, Akhmediev Breathers and continuous wave supercontinuum generation. Optics Express, 2009, 17, 21497.	1.7	456
176	Linear and Nonlinear Characterizations of Chalcogenide Photonic Crystal Fibers. Journal of Lightwave Technology, 2009, 27, 1707-1715.	2.7	70
177	On recent progress in all-fibered pulsed optical sources from 20 GHz to 2 THz based on multiple four wave mixing approach. , 2009, , .		0
178	Extreme events in fiber based amplifiers. , 2009, , .		0
179	Towards a thermodynamic description of supercontinuum generation. , 2009, , .		1
180	Soliton Generation and Rogue-Wave-Like Behavior Through Fourth-Order Scalar Modulation Instability. IEEE Photonics Journal, 2009, 1, 205-212.	1.0	24

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181	Wave-turbulence approach of supercontinuum generation: Influence of self-steepening and higher-order dispersion. <i>Physical Review A</i> , 2009, 79, .	1.0	56
182	Optical Parabolic Pulse Generation and Applications. <i>IEEE Journal of Quantum Electronics</i> , 2009, 45, 1482-1489.	1.0	89
183	Recent progress on the realization of chalcogenides photonic crystal fibers. <i>Proceedings of SPIE</i> , 2009, , .	0.8	2
184	Thermodynamic Approach of Supercontinuum Generation in Photonic Crystal Fiber. , 2009, , .		0
185	Simultaneous fs pulse spectral broadening and third harmonic generation in highly nonlinear fibre: experiments and simulations. <i>Applied Physics B: Lasers and Optics</i> , 2008, 91, 349-352.	1.1	25
186	All-fibered high-quality low duty-cycle 160-GHz femtosecond pulse source. <i>Laser Physics Letters</i> , 2008, 5, 817-820.	0.6	28
187	Toward a thermodynamic description of supercontinuum generation. <i>Optics Letters</i> , 2008, 33, 2833.	1.7	39
188	Beneficial impact of wave-breaking for coherent continuum formation in normally dispersive nonlinear fibers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008, 25, 1938.	0.9	189
189	Harmonic extended supercontinuum generation and carrier envelope phase dependent spectral broadening in silica nanowires. <i>Optics Express</i> , 2008, 16, 10886.	1.7	13
190	Spectral Slicing of a Supercontinuum Source for WDM/DS-OCDMA Application. , 2008, , .		5
191	Soliton self-frequency shift in suspended core fibers. , 2008, , .		0
192	Impact of structural irregularities on high bit rate pulse compression techniques in photonic crystal fibre. <i>Electronics Letters</i> , 2008, 44, 1011.	0.5	2
193	Second zero dispersion wavelength measurement through soliton self-frequency shift compensation in suspended core fibre. <i>Electronics Letters</i> , 2008, 44, 1370.	0.5	4
194	Dynamics of harmonic generation in highly nonlinear silica nanowires. , 2008, , .		0
195	Optimized one-step compression of femtosecond fibre laser pulses to 30 fs in dispersion-flattened highly nonlinear fibre. , 2007, , .		0
196	Optimised one-step compression of femtosecond fibre laser soliton pulses around 1550â€¦nm to below 30â€¦fs in highly nonlinear fibre. <i>Electronics Letters</i> , 2007, 43, 915.	0.5	12
197	From supercontinuum generation to carrier shocks: Extreme nonlinear propagation in photonic crystal fiber. , 2007, , .		0
198	From Supercontinuum Generation to Carrier Shocks: Extreme Nonlinear Propagation in Photonic Crystal Fiber. , 2007, , .		0

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199	Nonlinear envelope equation modeling of sub-cycle dynamics and harmonic generation in nonlinear waveguides. Optics Express, 2007, 15, 5382.	1.7	119
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201	Soliton spectral tunnelling in photonic crystal fibre with sub-wavelength core defect. Electronics Letters, 2007, 43, 967.	0.5	49
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