

# John Michael Dudley

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2165145/publications.pdf>

Version: 2024-02-01

443  
papers

21,728  
citations

12330

69  
h-index

9589

142  
g-index

450  
all docs

450  
docs citations

450  
times ranked

7740  
citing authors

#	ARTICLE	IF	CITATIONS
1	Feed-forward neural network as nonlinear dynamics integrator for supercontinuum generation. Optics Letters, 2022, 47, 802.	3.3	17
2	Feed-forward neural network as nonlinear dynamics integrator for supercontinuum generation: erratum. Optics Letters, 2022, 47, 1741.	3.3	1
3	Ultra-flat, low-noise, and linearly polarized fiber supercontinuum source covering 670–1390 nm: publisher's note. Optics Letters, 2022, 47, 2064.	3.3	1
4	Machine learning analysis of instabilities in noise-like pulse lasers. Optics Express, 2022, 30, 15060.	3.4	6
5	Noise in supercontinuum generated using PM and non-PM tellurite glass all-normal dispersion fibers. Optics Letters, 2022, 47, 2550.	3.3	1
6	Idealized four-wave mixing dynamics in a nonlinear Schrödinger equation fiber system. Optica, 2022, 9, 656.	9.3	11
7	Two octave supercontinuum generation in a non-silica graded-index multimode fiber. Nature Communications, 2022, 13, 2126.	12.8	21
8	Recent advances on time-stretch dispersive Fourier transform and its applications. Advances in Physics: X, 2022, 7, .	4.1	12
9	Time diffraction-free transverse orbital angular momentum beams. Nature Communications, 2022, 13, .	12.8	17
10	Machine learning and applications in ultrafast photonics. Nature Photonics, 2021, 15, 91-101.	31.4	219
11	Predicting ultrafast nonlinear dynamics in fibre optics with a recurrent neural network. Nature Machine Intelligence, 2021, 3, 344-354.	16.0	92
12	Ultra-flat, low-noise, and linearly polarized fiber supercontinuum source covering 670–1390 nm. Optics Letters, 2021, 46, 1820.	3.3	29
13	Experimental demonstration of spectral domain computational ghost imaging. Scientific Reports, 2021, 11, 8403.	3.3	9
14	Modelling self-similar parabolic pulses in optical fibres with a neural network. Results in Optics, 2021, 3, 100066.	2.0	20
15	Predicting Supercontinuum Generation Dynamics Using a Neural Network. , 2021, , .		0
16	Full-field Real-Time Measurement of Ultrafast Soliton Fission. , 2021, , .		0
17	Multipulse and Molecule states in a broadband Mamyshev oscillator around 1550 nm. , 2021, , .		0
18	Generation of an ultra-flat, low-noise and linearly polarized fiber supercontinuum covering 670 nm-1390 nm. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
19	The Peregrine Breather on the Zero-Background Limit as the Two-Soliton Degenerate Solution: An Experimental Study. <i>Frontiers in Physics</i> , 2021, 9, .	2.1	9
20	Intracavity incoherent supercontinuum dynamics and rogue waves in a broadband dissipative soliton laser. <i>Nature Communications</i> , 2021, 12, 5567.	12.8	32
21	Real-time measurements and simulations of incoherent supercontinuum dynamics and rogue waves in a noise-like pulse dissipative soliton fibre laser. , 2021, , .		0
22	Machine learning analysis of rogue solitons in supercontinuum generation. <i>Scientific Reports</i> , 2020, 10, 9596.	3.3	21
23	2-10 $\mu\text{m}$ Mid-Infrared Fiber-Based Supercontinuum Laser Source: Experiment and Simulation. <i>Laser and Photonics Reviews</i> , 2020, 14, 2000011.	8.7	56
24	Akhmediev breather signatures from dispersive propagation of a periodically phase-modulated continuous wave. <i>Wave Motion</i> , 2020, 95, 102545.	2.0	13
25	Toward a self-driving ultrafast fiber laser. <i>Light: Science and Applications</i> , 2020, 9, 26.	16.6	28
26	Instabilities in a dissipative soliton-similariton laser using a scalar iterative map. <i>Optics Letters</i> , 2020, 45, 1232.	3.3	25
27	Cross-phase modulation instability in PM ANDi fiber-based supercontinuum generation. <i>Optics Letters</i> , 2020, 45, 3545.	3.3	14
28	Spectral correlation of four-wave mixing generated in a photonic crystal fiber pumped by a chirped pulse. <i>Optics Letters</i> , 2020, 45, 4148.	3.3	9
29	Silica-based photonic crystal fiber for the generation of broad band UV radiation. <i>OSA Continuum</i> , 2020, 3, 31.	1.8	2
30	Dispersive Fourier transform characterization of multipulse dissipative soliton complexes in a mode-locked soliton-similariton laser. <i>OSA Continuum</i> , 2020, 3, 275.	1.8	16
31	Machine learning analysis of optical rogue solitons in supercontinuum generation. , 2020, , .		0
32	Supercontinuum spectral evolution prediction by recurrent neural network. , 2020, , .		0
33	Ultrafast Nonlinear Dynamics in Optical Fibers: from Real-Time Measurements to Machine Learning. , 2020, , .		0
34	Real-time noise measurement in supercontinuum generation in PM and non-PM ANDi tellurite fibers. , 2020, , .		1
35	2-10 $\mu\text{m}$ mid-infrared supercontinuum generation in cascaded optical fibers: experiment and modelling. , 2020, , .		1
36	Reproducing complex explosion and intermittence dynamics in a dissipative soliton laser using a scalar iterative map. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
37	Chalcogenide-glass polarization-maintaining photonic crystal fiber for mid-infrared supercontinuum generation. <i>JPhys Photonics</i> , 2019, 1, 044003.	4.6	30
38	Temporal Ghost Imaging with Wavelength Conversion. , 2019, , .		1
39	Chalcogenide Glass Polarization-Maintaining Photonic Crystal Fiber for Mid-Infrared Supercontinuum Generation. , 2019, , .		2
40	Extreme Events Prediction in Optical Fibre Modulation Instability using Machine Learning. , 2019, , .		0
41	Noise Evolution in All-Normal Dispersion Supercontinuum Generation. , 2019, , .		0
42	Control of spatial four-wave-mixing efficiency in Bessel beams using longitudinal intensity shaping. <i>Physical Review A</i> , 2019, 100, .	2.5	2
43	Real-time characterization of spectral instabilities in a mode-locked fibre laser exhibiting soliton-similariton dynamics. <i>Scientific Reports</i> , 2019, 9, 13950.	3.3	45
44	Spectral Ghost Imaging for Spectroscopy and Optical Coherence Tomography. , 2019, , .		0
45	Phase Evolution of Peregrine-Like Solitons in Nonlinear Fiber Optics. , 2019, , .		0
46	Real-Time Measurements of Ultrafast Instabilities in Nonlinear Fiber Optics: Recent Advances. , 2019, , .		1
47	Rogue waves and analogies in optics and oceanography. <i>Nature Reviews Physics</i> , 2019, 1, 675-689.	26.6	215
48	Phase evolution of Peregrine-like breathers in optics and hydrodynamics. <i>Physical Review E</i> , 2019, 99, 012207.	2.1	35
49	Supercontinuum generation by intermodal four-wave mixing in a step-index few-mode fibre. <i>APL Photonics</i> , 2019, 4, .	5.7	35
50	Advancing Fourier: space-time concepts in ultrafast optics, imaging, and photonic neural networks. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2019, 36, C69.	1.5	4
51	Amplitude noise and coherence degradation of femtosecond supercontinuum generation in all-normal-dispersion fibers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019, 36, A161.	2.1	72
52	Ghost optical coherence tomography. <i>Optics Express</i> , 2019, 27, 24114.	3.4	13
53	Temporal ghost imaging using wavelength conversion and two-color detection. <i>Optica</i> , 2019, 6, 902.	9.3	29
54	Supercontinuum generation in the near and mid-infrared using soft-glass fibers. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
55	Femtosecond supercontinuum generation with noisy pumps in normal dispersion fibers with zero crossings. , 2019, , .		0
56	Interferometric autocorrelation measurements of supercontinuum based on two-photon absorption. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 1320.	2.1	5
57	Promoting photonics: it is up to all of us. Advanced Photonics, 2019, 1, 1.	11.8	0
58	Real-time full-field characterization of transient dissipative soliton dynamics in a mode-locked laser. Nature Photonics, 2018, 12, 221-227.	31.4	286
59	Machine learning analysis of extreme events in optical fibre modulation instability. Nature Communications, 2018, 9, 4923.	12.8	97
60	Real-Time Measurements of Ultrafast Instabilities in Nonlinear Fiber Optics: Recent Advances. , 2018, , .		0
61	Supercontinuum generation in heavy-metal oxide glass based suspended-core photonic crystal fibers. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 2311.	2.1	19
62	Catalogue of extreme wave events in Ireland: revised and updated for 14â€680 BP to 2017. Natural Hazards and Earth System Sciences, 2018, 18, 729-758.	3.6	28
63	Supercontinuum spectral-domain ghost imaging. Optics Letters, 2018, 43, 5025.	3.3	36
64	Real-time Measurements of Nonlinear Instabilities in Optical Fibers. , 2018, , .		0
65	Supercontinuum generation and intermodal four-wave mixing in a step-index few-mode fibre. , 2018, , .		0
66	Arbitrary shaping of non-diffracting beams for filamentation and ultrafast laser materials processing (Conference Presentation). , 2017, , .		0
67	Wavelength-multiplexed ghost imaging in time (Conference Presentation). , 2017, , .		0
68	Magnified time-domain ghost imaging. APL Photonics, 2017, 2, 046102.	5.7	32
69	Universality of the Peregrine Soliton in the Focusing Dynamics of the Cubic Nonlinear SchrÃ¶dinger Equation. Physical Review Letters, 2017, 119, 033901.	7.8	103
70	Submicron-quality cleaving of glass with elliptical ultrafast Bessel beams. Applied Physics Letters, 2017, 111, .	3.3	32
71	60 dB Dynamic range single-shot spectral measurements of spontaneous modulation instability. , 2017, , .		0
72	Four-wave mixing control in the filamentation of ultrafast Bessel beams via longitudinal intensity-shaping. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
73	Wavelength-multiplexed computational temporal ghost imaging. , 2017, , .		1
74	Generation of broad-band Bessel beams with an SLM. , 2017, , .		0
75	Single-shot ultrafast laser processing of high-aspect-ratio nanochannels using elliptical Bessel beams. Optics Letters, 2017, 42, 4307.	3.3	71
76	Real time measurements of ultrafast spontaneous modulation instability and rogue waves in optical fibre. , 2017, , .		0
77	Universal peregrine soliton structure in optical fibre soliton compression. , 2017, , .		0
78	New trends in nonlinear guided wave optics. , 2017, , .		0
79	Ultrafast simultaneous real time spectral and temporal measurements of fibre laser modelocking dynamics. , 2017, , .		1
80	Controlling nonlinear instabilities in Bessel beams through longitudinal intensity shaping. Optics Letters, 2017, 42, 3785.	3.3	11
81	Real-Time Measurements of Ultrafast Spontaneous Modulation Instability in Optical Fiber. , 2017, , .		0
82	Stealth dicing with ultrafast Bessel beams with engineered transverse profiles. , 2017, , .		0
83	Control of nonlinear instabilities in Bessel beams using shaped longitudinal intensity profiles. , 2017, , .		0
84	Real time measurements of spontaneous breathers generated by modulation instability in optical fibre (Conference Presentation). , 2017, , .		0
85	Real Time Measurements of Temporal Rogue Waves and Spontaneous Modulation Instability in Optical Fiber. , 2016, , .		0
86	Universal nonlinear scattering in ultra-high Q whispering gallery-mode resonators. Optics Express, 2016, 24, 14880.	3.4	53
87	Real-time measurements of spontaneous breathers and rogue wave events in optical fibre modulation instability. Nature Communications, 2016, 7, 13675.	12.8	175
88	Roadmap on optical rogue waves and extreme events. Journal of Optics (United Kingdom), 2016, 18, 063001.	2.2	225
89	Experimental Generation of Riemann Waves in Optics: A Route to Shock Wave Control. Physical Review Letters, 2016, 117, 073902.	7.8	44
90	Ikeda-like chaos on a dynamically filtered supercontinuum light source. Physical Review A, 2016, 94, .	2.5	11

#	ARTICLE	IF	CITATIONS
91	Arbitrary shaping of on-axis amplitude of femtosecond Bessel beams with a single phase-only spatial light modulator. Optics Express, 2016, 24, 11495.	3.4	48
92	High aspect ratio micro-explosions in the bulk of sapphire generated by femtosecond Bessel beams. Scientific Reports, 2016, 6, 34286.	3.3	50
93	Imaging of bessel filaments in fused silica and impact on modelling the underlying light-matter physics. , 2016, , .		0
94	Real world ocean rogue waves explained without the modulational instability. Scientific Reports, 2016, 6, 27715.	3.3	189
95	Ghost imaging in the time domain. Nature Photonics, 2016, 10, 167-170.	31.4	224
96	Single Shot Time Domain Ghost Imaging using Wavelength Multiplexing. , 2016, , .		5
97	Enhanced absorption and plasmon excitation in the bulk of fused silica with femtosecond Bessel beams. , 2016, , .		0
98	High Dynamic Range Single-Shot Spectral Measurements of Spontaneous Modulation Instability. , 2016, , .		0
99	Direct Measurement of Temporal Rogue Waves Generated by Spontaneous Modulation Instability. , 2016, , .		0
100	Mid-Infrared Wavelength Conversion in Chalcogenide Optical Microfibers. , 2016, , .		0
101	Physics and applications of accelerating beams in optics. , 2015, , .		0
102	Tubular filamentation for laser material processing. Scientific Reports, 2015, 5, 8914.	3.3	63
103	Emergent rogue wave structures and statistics in spontaneous modulation instability. Scientific Reports, 2015, 5, 10380.	3.3	93
104	A Legacy for Light. Laser and Photonics Reviews, 2015, 9, A25-A26.	8.7	0
105	The nonlinear Schrödinger equation and the propagation of weakly nonlinear waves in optical fibers and on the water surface. Annals of Physics, 2015, 361, 490-500.	2.8	75
106	Editorial: Lighting Up Research. Physical Review Letters, 2015, 114, 120001.	7.8	1
107	Nonlinear Bessel vortex beams for applications. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 094006.	1.5	36
108	Caustics and Rogue Waves in an Optical Sea. Scientific Reports, 2015, 5, 12822.	3.3	46

#	ARTICLE	IF	CITATIONS
109	Dynamics of Rogue Wave and Soliton Emergence in Spontaneous Modulation Instability. , 2015, , .		0
110	Deviation from threshold model in ultrafast laser ablation of graphene at sub-micron scale. Applied Physics Letters, 2015, 107, .	3.3	13
111	Light trajectory in Besselâ€“Gauss vortex beams. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2015, 32, 1313.	1.5	15
112	Environment, Wildlife and LED Illumination. Optics and Photonics News, 2015, 26, 42.	0.5	3
113	Dynamics of Akhmediev breathers in a dispersion-varying optical fiber. , 2014, , .		0
114	Experimental dynamics of Akhmediev breathers in a dispersion varying optical fiber. Optics Letters, 2014, 39, 4490.	3.3	25
115	Supercontinuum and solitons, what&rsquo;s up?. , 2014, , .		0
116	Far-detuned mid-infrared frequency conversion via normal dispersion modulation instability in chalcogenide microwires. Optics Letters, 2014, 39, 1885.	3.3	47
117	Efficiency of dispersive wave generation by cascaded four-wave mixing. , 2014, , .		0
118	Mid-IR parametric frequency generation in hybrid As <sub>2</sub> Se <sub>3</sub> microwires using normal dispersion modulation instability. , 2014, , .		0
119	Nonlinear optics of fiber event horizons. , 2014, , .		0
120	Filamentation with nonlinear Bessel vortices. Optics Express, 2014, 22, 25410.	3.4	35
121	Controlling modulation instability using an incoherent low amplitude seed. , 2014, , .		0
122	Rogue Wave Structures in Spontaneous Modulation Instability. , 2014, , .		0
123	Normal dispersion modulation instability in an As <sub>2</sub> Se <sub>3</sub> chalcogenide hybrid microwire. Proceedings of SPIE, 2014, , .	0.8	1
124	Mid-IR frequency conversion and supercontinuum generation in polymer-coated chalcogenide microfibers. , 2014, , .		0
125	Noise and Chaos Contributions in Fast Random Bit Sequence Generated From Broadband Optoelectronic Entropy Sources. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 888-901.	5.4	26
126	Optical rogue waves in whispering-gallery-mode resonators. Physical Review A, 2014, 89, .	2.5	68

#	ARTICLE	IF	CITATIONS
127	Spatiotemporal structure of femtosecond Bessel beams from spatial light modulators. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, 790.	1.5	24
128	Instabilities, breathers and rogue waves in optics. Nature Photonics, 2014, 8, 755-764.	31.4	739
129	Hydrodynamics of periodic breathers. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20140005.	3.4	63
130	Nonlinear optics of fibre event horizons. Nature Communications, 2014, 5, 4969.	12.8	91
131	Hydrodynamic Supercontinuum. Physical Review Letters, 2013, 111, 054104.	7.8	57
132	Real time spectra and wavelength correlation maps: New insights into octave-spanning supercontinuum generation and rogue waves. , 2013, , .		0
133	Arbitrary nonparaxial accelerating periodic beams and spherical shaping of light. Optics Letters, 2013, 38, 2218.	3.3	45
134	Defending basic research. Nature Photonics, 2013, 7, 338-339.	31.4	8
135	Ultrashort laser pulse filamentation with Airy and Bessel beams. Proceedings of SPIE, 2013, , .	0.8	9
136	Applications of femtosecond Bessel beams to laser ablation. Applied Physics A: Materials Science and Processing, 2013, 112, 29-34.	2.3	88
137	Extreme wave runup on a vertical cliff. Geophysical Research Letters, 2013, 40, 3138-3143.	4.0	37
138	Supercontinuum light. Physics Today, 2013, 66, 29-34.	0.3	57
139	Nonparaxial circular and weber beams from caustics. , 2013, , .		0
140	Linking frequency combs to supercontinuum generation: from cascaded four-wave mixing to Cherenkov radiation. , 2013, , .		0
141	Real time noise and wavelength correlations in octave-spanning supercontinuum generation. Optics Express, 2013, 21, 18452.	3.4	87
142	On Hokusai's <i>Great wave off Kanagawa</i> : localization, linearity and a rogue wave in sub-Antarctic waters. Notes and Records of the Royal Society, 2013, 67, 159-164.	0.3	35
143	Azimuthal Turing Patterns, Bright and Dark Cavity Solitons in Kerr Combs Generated With Whispering-Gallery-Mode Resonators. IEEE Photonics Journal, 2013, 5, 6100409-6100409.	2.0	127
144	Femtosecond laser fabrication of micro and nano-disks in single layer graphene using vortex Bessel beams. Applied Physics Letters, 2013, 103, .	3.3	47

#	ARTICLE	IF	CITATIONS
145	Dispersive time stretching measurements of real-time spectra and statistics for supercontinuum generation around 1550 nm. , 2013, , .		0
146	Wavelength correlation maps in Raman supercontinuum generation. , 2013, , .		1
147	Demonstration of nonlocal dispersion cancelled two-photon Bessel interference in frequency domain. , 2013, , .		0
148	Stabilizing optical rogue waves with fiber topography. , 2013, , .		0
149	Recent progress in investigating optical rogue waves. Journal of Optics (United Kingdom), 2013, 15, 060201.	2.2	252
150	Emergence of coherent wave groups in deep-water random sea. Physical Review E, 2013, 87, 063001.	2.1	20
151	Femtosecond laser micro and nano processing with nondiffracting Bessel and accelerating Airy beams. , 2013, , .		0
152	Incoherent resonant seeding of modulation instability in optical fiber. Optics Letters, 2013, 38, 5338.	3.3	35
153	Unifying the description of fiber-optic frequency conversion: From cascaded four-wave mixing to Cherenkov radiation. , 2013, , .		0
154	Ultrafast Single-Shot Measurements in Modulation Instability and Supercontinuum. Optics and Photonics News, 2013, 24, 55.	0.5	1
155	Extreme wave events in Ireland: 14 680 BPâ€™2012. Natural Hazards and Earth System Sciences, 2013, 13, 625-648.	3.6	50
156	Spherical light and arbitrary nonparaxial accelerating beams. , 2013, , .		0
157	Do optical event horizons really exist? The physics of nonlinear reflection at a soliton boundary. , 2012, , .		0
158	Seeded and spontaneous higher-order modulation instability. , 2012, , .		0
159	Sending femtosecond pulses in circles: highly nonparaxial accelerating beams. Optics Letters, 2012, 37, 1736.	3.3	106
160	Random walks and random numbers from supercontinuum generation. Optics Express, 2012, 20, 11143.	3.4	17
161	On the phase-dependent manifestation of optical rogue waves. Nonlinearity, 2012, 25, R73-R83.	1.4	33
162	Higher-order modulation instability in fiber optics. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
163	Fractal optics and beyond. Nature Photonics, 2012, 6, 209-210.	31.4	40
164	Nonlinear spectral shaping and optical rogue events in fiber-based systems. Optical Fiber Technology, 2012, 18, 248-256.	2.7	14
165	Observation of Kuznetsov-Ma soliton dynamics in optical fibre. Scientific Reports, 2012, 2, 463.	3.3	345
166	Micromachining along a curve: Femtosecond laser micromachining of curved profiles in diamond and silicon using accelerating beams. Applied Physics Letters, 2012, 101, 071110.	3.3	214
167	From rogue waves to random walks: Nonlinear instabilities in supercontinuum generation. , 2012, , .		0
168	Event horizon and four-wave mixing in optical fibers. , 2012, , .		0
169	Cascaded Phase Matching and Nonlinear Symmetry Breaking in Fiber Frequency Combs. Physical Review Letters, 2012, 109, 223904.	7.8	113
170	Experimental control over soliton interaction in optical fiber by pre-shaped input field. , 2012, , .		0
171	Real-time full bandwidth measurement of spectral noise in supercontinuum generation. Scientific Reports, 2012, 2, 882.	3.3	137
172	Accelerating Beyond the Horizon. Optics and Photonics News, 2012, 23, 26.	0.5	16
173	Describing supercontinuum noise and rogue wave statistics using higher-order moments. Optics Communications, 2012, 285, 2451-2455.	2.1	32
174	Kuznetsov-Ma Soliton Dynamics in Nonlinear Fiber Optics. , 2012, , .		1
175	Compact gigahertz frequency comb generation: how short do the pulses need to be?. , 2012, , .		0
176	Higher-Order Moment Characterisation of Rogue Wave Statistics in Supercontinuum Generation. , 2012, , .		0
177	Higher-order Modulation Instability in Optical Fibers. , 2012, , .		0
178	Coherent widely tunable source of sub-picosecond pulses using all-normal dispersion fiber supercontinuum. , 2011, , .		2
179	Higher-Order Modulation Instability in Nonlinear Fiber Optics. Physical Review Letters, 2011, 107, 253901.	7.8	182
180	Nonlinear pulse shaping by coherent addition of multiple redshifted solitons. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 1716.	2.1	10

#	ARTICLE	IF	CITATIONS
181	Tailored accelerating beam profiles through a caustic-based approach to wavefront design. , 2011, , .		0
182	Arbitrary accelerating micron-scale caustic beams in two and three dimensions. Optics Express, 2011, 19, 16455.	3.4	219
183	Self-referenceable frequency comb from a gigahertz diode-pumped solid-state laser. Optics Express, 2011, 19, 16491.	3.4	62
184	Peregrine soliton generation and breakup in standard telecommunications fiber. Optics Letters, 2011, 36, 112.	3.3	121
185	Transform-limited spectral compression by self-phase modulation of amplitude-shaped pulses with negative chirp. Optics Letters, 2011, 36, 707.	3.3	74
186	Spectral dynamics of modulation instability described using Akhmediev breather theory. Optics Letters, 2011, 36, 2140.	3.3	92
187	Pump-soliton nonlinear wave mixing in noise-driven fiber supercontinuum generation. Optics Letters, 2011, 36, 3870.	3.3	5
188	1.5 Octave Highly Coherent Fiber Frequency Comb. , 2011, , .		0
189	Rediscovered dynamics of nonlinear fiber optics: from breathers to extreme localisation. , 2011, , .		0
190	Supercontinuum generation in suspended core microstructured tellurite optical fibers. , 2011, , .		2
191	Analytical studies of modulation instability and nonlinear compression dynamics in optical fiber propagation. Proceedings of SPIE, 2011, , .	0.8	2
192	Rogue Waves. Lecture Notes Series, Institute for Mathematical Sciences, 2011, , 295-307.	0.2	2
193	Peregrine soliton in optical fiber-based systems. , 2011, , .		1
194	Suspended core tellurite glass optical fibers for infrared supercontinuum generation. Optical Materials, 2011, 33, 1661-1666.	3.6	56
195	Recurrence phase shift in Fermiâ€Pastaâ€Ulam nonlinear dynamics. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 4158-4161.	2.1	26
196	Laser micro- and nanostructuring using femtosecond Bessel beams. European Physical Journal: Special Topics, 2011, 199, 101-110.	2.6	33
197	Supercontinuum generation by nanosecond dual-pumping near the two zero-dispersion wavelengths of a photonic crystal fiber. Optics Communications, 2011, 284, 467-470.	2.1	14
198	Design of solid core photonic bandgap fibers for visible supercontinuum generation. Optics Communications, 2011, 284, 1661-1668.	2.1	8

#	ARTICLE	IF	CITATIONS
199	Universal triangular spectra in parametrically-driven systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 775-779.	2.1	45
200	Rogue wave early warning through spectral measurements?. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 541-544.	2.1	78
201	Akhmediev breather evolution in optical fiber for realistic initial conditions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 2029-2034.	2.1	64
202	Incoherent fibre supercontinuum generation for all-optical random number generation. , 2011, , .		0
203	Ultrabroadband coherent supercontinuum frequency comb. Physical Review A, 2011, 84, .	2.5	64
204	Femtosecond non-diffracting Bessel beams and controlled nanoscale ablation. , 2011, , .		3
205	Single shot nanochannel processing with femtosecond Bessel beams. , 2011, , .		0
206	Akhmediev breathers and pulsed modulation instability. , 2011, , .		0
207	Failure of the linear Raman gain approximation in supercontinuum generation. , 2011, , .		0
208	Universal spectral dynamics of modulation instability: theory, simulation, experiment. , 2011, , .		1
209	Optical peregrine soliton generation in standard telecommunication fibers. , 2011, , .		1
210	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
211	Failure and limitations of linear Raman gain approximation for fiber supercontinuum generation modelling. Proceedings of SPIE, 2011, , .	0.8	0
212	Polarized multiplex coherent anti-Stokes Raman scattering using a picosecond laser and a fiber supercontinuum. Journal of Biomedical Optics, 2011, 16, 021108.	2.6	7
213	High aspect ratio taper-free micro and nano-channel fabrication in glass with ultrafast nondiffracting Bessel beams. Proceedings of SPIE, 2011, , .	0.8	1
214	Studies and realization of an experimental set-up for micro Airy beams generation. , 2011, , .		0
215	Characteristic triangular spectra of extreme localised structures: insight from optics into rogue wave early warning. , 2011, , .		0
216	Frequencydoubling and recurrence phenomena in Akhmediev breathers pulse trains. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
217	Coherent transfer over 1.1 spectral octave with a fiber frequency comb. , 2011, , .		0
218	Akhmediev breather evolution in optical fiber for realistic initial conditions. , 2011, , .		0
219	Taper topography control of instabilities and rogue waves in supercontinuum fibers. , 2011, , .		1
220	Complex pulses and new physics: how FROG has led to new paradigms for ultrafast nonlinear optics. , 2011, , .		0
221	Optical Rogue Waves: Physics and Impact. , 2011, , .		0
222	Non-linear spectral broadening across multiple bandgaps of all solid photonic crystal fibers. Proceedings of SPIE, 2010, , .	0.8	1
223	Material nanoprocessing with nondiffracting femtosecond Bessel beams. , 2010, , .		0
224	Giant Dispersive Wave Generation Induced by Soliton Collisions. , 2010, , .		0
225	The dynamics of a developing CW supercontinuum: analytical predictions and experiments. , 2010, , .		0
226	Rogue waves “ towards a unifying concept?: Discussions and debates. European Physical Journal: Special Topics, 2010, 185, 5-15.	2.6	100
227	Extreme events in optics: Challenges of the MANUREVA project. European Physical Journal: Special Topics, 2010, 185, 125-133.	2.6	29
228	On the statistical interpretation of optical rogue waves. European Physical Journal: Special Topics, 2010, 185, 135-144.	2.6	61
229	Self-referencable frequency comb from a 170-fs, 1.5- $\mu$ m solid-state laser oscillator. Applied Physics B: Lasers and Optics, 2010, 99, 401-408.	2.2	53
230	Selection of Extreme Events Generated in Raman Fiber Amplifiers Through Spectral Offset Filtering. IEEE Journal of Quantum Electronics, 2010, 46, 205-213.	1.9	30
231	Collisions and turbulence in optical rogue wave formation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 989-996.	2.1	106
232	Optoelectronic chaos. Nature, 2010, 465, 41-42.	27.8	137
233	Nonlinear attraction. Nature Photonics, 2010, 4, 272-274.	31.4	7
234	The Peregrine soliton in nonlinear fibre optics. Nature Physics, 2010, 6, 790-795.	16.7	1,166

#	ARTICLE	IF	CITATIONS
235	Continuous wave supercontinuum generation. , 2010, , 142-177.		5
236	High repetition rate pulse train generation at GHz repetition rates from nonlinear breather reshaping in standard single mode fibre. Proceedings of SPIE, 2010, , .	0.8	0
237	Generation of ultrafast Bessel micro-beams and applications to laser surface nanoprocessing. Proceedings of SPIE, 2010, , .	0.8	1
238	Modulation instability, Akhmediev breathers, and rogue waves in nonlinear fiber optics. Proceedings of SPIE, 2010, , .	0.8	1
239	Soliton Collision Induced Dispersive Wave Generation. , 2010, , .		1
240	Rogue Dispersive Wave Generation Induced by Soliton Collision. , 2010, , .		0
241	Supercontinuum to solitons: New nonlinear structures in fiber propagation. , 2010, , .		0
242	Optical rogue waves and soliton collisions. , 2010, , .		0
243	High aspect ratio nanochannel machining using single shot femtosecond Bessel beams. Applied Physics Letters, 2010, 97, .	3.3	286
244	Supercontinuum instabilities and rogue waves in optics. , 2010, , .		0
245	First fully stabilized frequency comb from a SESAM-modelocked 1.5-Åµm solid-state oscillator. , 2010, , .		0
246	Rogue waves in femtosecond supercontinuum generation. , 2010, , .		1
247	Akhmediev Breather dynamics and the nonlinear modulation instability spectrum. Proceedings of SPIE, 2010, , .	0.8	0
248	Femtosecond Bessel filaments for high aspect-ratio and taper-free micromachining of dielectrics. , 2010, , .		0
249	Collisions and emergence of optical rogue solitons. , 2010, , .		0
250	Broadband multiplex CARS microspectroscopy in the picosecond regime. , 2010, , .		1
251	Experimental signatures of dispersive waves emitted during soliton collisions. Optics Express, 2010, 18, 13379.	3.4	34
252	Limitations of the linear Raman gain approximation in modeling broadband nonlinear propagation in optical fibers. Optics Express, 2010, 18, 25449.	3.4	23

#	ARTICLE	IF	CITATIONS
253	Giant dispersive wave generation through soliton collision. Optics Letters, 2010, 35, 658.	3.3	55
254	Nonlinear spectral broadening of femtosecond pulses in solid-core photonic bandgap fibers. Optics Letters, 2010, 35, 2813.	3.3	20
255	High aspect ratio taper-free microchannel fabrication using femtosecond Bessel beams. Optics Express, 2010, 18, 566.	3.4	134
256	Nonlinear fibre optics overview. , 2010, , 32-51.		23
257	Ultrafast Bessel beams for high aspect ratio taper free micromachining of glass. , 2010, , .		1
258	First CEO frequency measurement of a SESAM-modelocked 1.5-Åµm solid-state laser oscillator. , 2010, , .		0
259	Collisions in optical rogue wave formation. , 2010, , .		0
260	First fully stabilized frequency comb from a SESAM-modelocked 1.5-Åµm solid-state oscillator. , 2010, , .		0
261	Electro-optic delay oscillator with nonlocal nonlinearity: Optical phase dynamics, chaos, and synchronization. Physical Review E, 2009, 80, 026207.	2.1	77
262	Ultrafast laser nanoprocessing with nondiffracting beams. , 2009, , .		0
263	High bit rate QKD using sideband modulation scheme with active dispersion compensation. , 2009, , .		0
264	Tailored soliton statistics in supercontinuum generation. , 2009, , .		0
265	Rogue waves in femtosecond supercontinuum generation. , 2009, , .		0
266	10 GHz ultralow jitter optical pulse stream generated by optoelectronic delay oscillators with soliton compression. , 2009, , .		0
267	Experimental characterization of optical rogue waves in the femtosecond regime. , 2009, , .		0
268	Rogue waves and turbulence in optics: Rediscovered frontiers in nonlinear dynamics. , 2009, , .		0
269	Spatiotemporal nonlinear optical self-similarity in three dimensions. , 2009, , .		0
270	Femtosecond micromachining of high aspect ratio structures in fused silica using Bessel beams. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
271	Rogue waves and extreme events in nonlinear ultrafast optics. , 2009, , .		0
272	Towards coherent supercontinuum generation in the long pulse regime. , 2009, , .		0
273	Direct detection of optical rogue wave energy statistics in supercontinuum generation. Electronics Letters, 2009, 45, 217.	1.0	52
274	Modulation control and spectral shaping of optical fiber supercontinuum generation in the picosecond regime. Applied Physics B: Lasers and Optics, 2009, 94, 187-194.	2.2	116
275	Ten years of nonlinear optics in photonic crystal fibre. Nature Photonics, 2009, 3, 85-90.	31.4	370
276	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.	2.6	23
277	Generation and detection of optical rogue-wave-like fluctuations in fiber Raman amplifiers. , 2009, , .		0
278	Rogue-wave-like characteristics in femtosecond supercontinuum generation. Optics Letters, 2009, 34, 2468.	3.3	134
279	Surface nanoprocessing with nondiffracting femtosecond Bessel beams. Optics Letters, 2009, 34, 3163.	3.3	83
280	Generation of Ultralow Jitter Optical Pulses Using Optoelectronic Oscillators With Time-Lens Soliton-Assisted Compression. Journal of Lightwave Technology, 2009, 27, 5160-5167.	4.6	95
281	Optical rogue wave statistics in laser filamentation. Optics Express, 2009, 17, 12070.	3.4	69
282	Modulation instability, Akhmediev Breathers and continuous wave supercontinuum generation. Optics Express, 2009, 17, 21497.	3.4	456
283	Spatiotemporal Nonlinear Optical Self-Similarity in Three Dimensions. Physical Review Letters, 2009, 102, 233903.	7.8	58
284	Optical rogue waves and soliton turbulence in nonlinear fibre optics. , 2009, , .		1
285	Generation of parabolic pulses and applications for optical telecommunications. , 2009, , .		0
286	10 years of nonlinear optics in photonic crystal fiber: Progress and perspectives. , 2009, , .		0
287	Parabolic pulse generation and applications. , 2009, , .		1
288	Extreme events in fiber based amplifiers. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
289	Route to coherent supercontinuum generation in the long pulse regime. , 2009, , .		1
290	Optical Parabolic Pulse Generation and Applications. IEEE Journal of Quantum Electronics, 2009, 45, 1482-1489.	1.9	89
291	Route to Coherent Supercontinuum Generation in the Long Pulse Regime. IEEE Journal of Quantum Electronics, 2009, 45, 1331-1335.	1.9	40
292	Parabolic Pulse Formation and Applications. , 2009, , .		0
293	New approaches to supercontinuum control in the long pulse regime. Proceedings of SPIE, 2009, , .	0.8	0
294	Rogue Waves in Optics. , 2009, , .		0
295	Tailored Soliton Statistics in Supercontinuum Generation. , 2009, , .		0
296	Simultaneous fs pulse spectral broadening and third harmonic generation in highly nonlinear fibre: experiments and simulations. Applied Physics B: Lasers and Optics, 2008, 91, 349-352.	2.2	25
297	Supercontinuum Generation From 1.35 to 1.7 $\mu\text{m}$ by Nanosecond Pumping Near the Second Zero-Dispersion Wavelength of a Microstructured Fiber. IEEE Photonics Technology Letters, 2008, 20, 842-844.	2.5	21
298	Measurement of Ultrashort Electromagnetic Pulses. Journal of the Optical Society of America B: Optical Physics, 2008, 25, MU1.	2.1	1
299	Harnessing and control of optical rogue waves in supercontinuum generation. Optics Express, 2008, 16, 3644.	3.4	302
300	Harmonic extended supercontinuum generation and carrier envelope phase dependent spectral broadening in silica nanowires. Optics Express, 2008, 16, 10886.	3.4	13
301	Optical rogue-wave-like extreme value fluctuations in fiber Raman amplifiers. Optics Express, 2008, 16, 16467.	3.4	125
302	A dense array of small coupled waveguides in fiber technology: trefoil channels of microstructured optical fibers. Optics Express, 2008, 16, 20648.	3.4	6
303	Parabolic Pulse Amplifiers. Fiber and Integrated Optics, 2008, 27, 505-515.	2.5	2
304	Experimental generation of extreme-value optical rogue-wave structures in fibre Raman amplifiers. , 2008, , .		0
305	Thinking outside the envelope: New perspectives for nonlinear fiber optics. , 2008, , .		0
306	Optical rogue wave dynamics in supercontinuum generation. , 2008, , .		2

#	ARTICLE	IF	CITATIONS
307	Harmonic extension dynamics of supercontinuum generation in highly nonlinear silica nanowires. , 2008, , .		0
308	Supercontinuum generation from 1350 to 1700 nm by nanosecond pumping near the second zero dispersion wavelength of a photonic crystal fiber. , 2008, , .		0
309	Dynamics and control of optical rogue waves in supercontinuum generation. , 2008, , .		1
310	Supercontinuum Generation in Photonic Crystal Fiber Fundamentals to Applications. , 2008, , .		2
311	Synchronisation and communication with regularly clocked optoelectronic discrete time chaos. Electronics Letters, 2008, 44, 764.	1.0	5
312	Time-of-flight range detection using low-frequency intensity modulation of a cw laser diode: application to fiber length measurement. Optical Engineering, 2008, 47, 093602.	1.0	6
313	Modulation control and spectral shaping of supercontinuum generation in the picosecond regime. , 2008, , .		0
314	Experimental chaotic map generated by picosecond laser pulse-seeded electro-optic nonlinear delay dynamics. Chaos, 2008, 18, 013110.	2.5	7
315	Dynamics of harmonic generation in highly nonlinear silica nanowires. , 2008, , .		0
316	Optimized one-step compression of femtosecond fibre laser pulses to 30 fs in dispersion-flattened highly nonlinear fibre. , 2007, , .		0
317	Optimised one-step compression of femtosecond fibre laser soliton pulses around 1550â€¦nm to below 30â€¦fs in highly nonlinear fibre. Electronics Letters, 2007, 43, 915.	1.0	12
318	Generalized envelope equation for studying sub-cycle dynamics and multiple-harmonic spectral broadening in highly nonlinear waveguides. , 2007, , .		0
319	From supercontinuum generation to carrier shocks: Extreme nonlinear propagation in photonic crystal fiber. , 2007, , .		0
320	From Supercontinuum Generation to Carrier Shocks: Extreme Nonlinear Propagation in Photonic Crystal Fiber. , 2007, , .		0
321	Fiber supercontinuum sources (Invited). Journal of the Optical Society of America B: Optical Physics, 2007, 24, 1771.	2.1	265
322	Nonlinear envelope equation modeling of sub-cycle dynamics and harmonic generation in nonlinear waveguides. Optics Express, 2007, 15, 5382.	3.4	119
323	Alternate Multiwavelength Picosecond Pulse Generation by Use of an Unbalanced Machâ€“Zehnder Interferometer in a Mode-locked Fiber Ring Laser. IEEE Journal of Quantum Electronics, 2007, 43, 85-96.	1.9	2
324	Control and compression of extreme spectrally-broadened pulses in highly nonlinear fiber. , 2007, , .		2

#	ARTICLE	IF	CITATIONS
325	Self-similarity in ultrafast nonlinear optics. <i>Nature Physics</i> , 2007, 3, 597-603.	16.7	336
326	Soliton spectral tunnelling in photonic crystal fibre with sub-wavelength core defect. <i>Electronics Letters</i> , 2007, 43, 967.	1.0	49
327	Highly Coherent Supercontinuum Generation in Dispersion Increasing Fibers. , 2007, , .		1
328	All-fiber source of 20-fs pulses at 1550 nm using two-stage linear-nonlinear compression of parabolic similaritons. <i>IEEE Photonics Technology Letters</i> , 2006, 18, 1831-1833.	2.5	29
329	Bragg mirror inscription on LiNbO <sub>3</sub> waveguides by index microstructuring. <i>Applied Optics</i> , 2006, 45, 3553.	2.1	9
330	Generation of dark solitons by interaction between similaritons in Raman fiber amplifiers. <i>Optical Fiber Technology</i> , 2006, 12, 217-226.	2.7	18
331	Supercontinuum generation in photonic crystal fiber. <i>Reviews of Modern Physics</i> , 2006, 78, 1135-1184.	45.6	3,739
332	Chirp-controlled soliton fission in tapered optical fibers. <i>Applied Physics B: Lasers and Optics</i> , 2006, 83, 37-42.	2.2	16
333	Parabolic pulse generation in comb-like profiled dispersion decreasing fibre. <i>Electronics Letters</i> , 2006, 42, 965.	1.0	54
334	Photonic bandgap fiber and soliton effect compression of parabolic pulses to 20 fs. , 2006, , .		0
335	First demonstration of parabolic pulse generation in comb-like profiled dispersion decreasing fiber. , 2006, , .		0
336	Novel x-ray imaging diagnostics of high-energy nanosecond pulse accelerators. , 2005, 5580, 559.		2
337	Supercontinuum sources. , 2005, 5825, 214.		1
338	Stabilization of an actively modelocked fibre laser by multi-harmonic phase modulation. <i>Optics Communications</i> , 2005, 256, 394-399.	2.1	2
339	Supercontinuum generation and nonlinear pulse propagation in photonic crystal fiber: influence of the frequency-dependent effective mode area. <i>Applied Physics B: Lasers and Optics</i> , 2005, 81, 337-342.	2.2	170
340	Nonlinear pulse propagation and supercontinuum generation in photonic nanowires: experiment and simulation. <i>Applied Physics B: Lasers and Optics</i> , 2005, 81, 363-367.	2.2	62
341	Optical pulse generation using soliton-assisted time-lens compression. <i>Optics Express</i> , 2005, 13, 1743.	3.4	21
342	Intermediate asymptotic evolution and photonic bandgap fiber compression of optical similaritons around 1550 nm. <i>Optics Express</i> , 2005, 13, 3236.	3.4	75

#	ARTICLE	IF	CITATIONS
343	Broad-band and ultrasensitive pulse characterization using frequency-resolved optical gating via four-wave mixing in a semiconductor optical amplifier. IEEE Photonics Technology Letters, 2005, 17, 157-159.	2.5	14
344	Numerical and theoretical analysis of an alternate multiwavelength mode-locked fiber laser. IEEE Photonics Technology Letters, 2005, 17, 2295-2297.	2.5	1
345	Phononic band-gap guidance of acoustic modes in photonic crystal fibers. Physical Review B, 2005, 71, .	3.2	80
346	Generation of interleaved pulses on time-wavelength grid by actively modelocked fibre laser. Electronics Letters, 2004, 40, 901.	1.0	6
347	Numerical and experimental study of parabolic pulses generated via Raman amplification in standard optical fibers. IEEE Journal of Selected Topics in Quantum Electronics, 2004, 10, 1211-1218.	2.9	52
348	Alternate Multiwavelength Modelocked Fiber Laser. IEEE Photonics Technology Letters, 2004, 16, 1816-1818.	2.5	9
349	Extinction-ratio-independent method for chirp measurements of Mach-Zehnder modulators. Optics Express, 2004, 12, 442.	3.4	30
350	Fundamental limits to few-cycle pulse generation from compression of supercontinuum spectra generated in photonic crystal fiber. Optics Express, 2004, 12, 2423.	3.4	83
351	Effects of structural irregularities on modulational instability phase matching in photonic crystal fibers. Optics Letters, 2004, 29, 1903.	3.3	20
352	Asymptotic characteristics of parabolic similariton pulses in optical fiber amplifiers. Optics Letters, 2004, 29, 2533.	3.3	60
353	Experimental properties of parabolic pulses generated via Raman amplification in standard optical fibers. , 2004, , .		0
354	Suppression of Vectorial Modulation Instability due to Structural Nonuniformity in Photonic Crystal Fiber. , 2004, , .		0
355	GÃ©nÃ©ration de similaritons optiques Å 1550 nm par amplification Raman dans une fibre NZ-DSF. European Physical Journal Special Topics, 2004, 119, 181-182.	0.2	0
356	Fundamental amplitude noise limitations to supercontinuum spectra generated in a microstructured fiber. Applied Physics B: Lasers and Optics, 2003, 77, 269-277.	2.2	95
357	Measurement of the intensity and phase of supercontinuum from an 8-mm-long microstructure fiber. Applied Physics B: Lasers and Optics, 2003, 77, 239-244.	2.2	43
358	Fundamental Noise Limitations to Supercontinuum Generation in Microstructure Fiber. Physical Review Letters, 2003, 90, 113904.	7.8	329
359	Experimental generation of parabolic pulses via Raman amplification in optical fiber. Optics Express, 2003, 11, 1547.	3.4	113
360	Experimental studies of the coherence of microstructure-fiber supercontinuum. Optics Express, 2003, 11, 2697.	3.4	136

#	ARTICLE	IF	CITATIONS
361	Generating quiet continua: noise limitations to supercontinuum generation in photonic crystal fiber*. , 2003, , .		1
362	Polarization mode dispersion and vectorial modulational instability in airâ€“silica microstructure fiber. Optics Letters, 2002, 27, 695.	3.3	27
363	Milliwatt-peak-power pulse characterization at 155 Åµm by wavelength-conversion frequency-resolved optical gating. Optics Letters, 2002, 27, 863.	3.3	37
364	Coherence properties of supercontinuum spectra generated in photonic crystal and tapered optical fibers. Optics Letters, 2002, 27, 1180.	3.3	469
365	Self-similar propagation of parabolic pulses in normal-dispersion fiber amplifiers. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 461.	2.1	255
366	Spatiotemporal behavior of periodic arrays of spatial solitons in a planar waveguide with relaxing Kerr nonlinearity. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 574.	2.1	52
367	Supercontinuum generation in airâ€“silica microstructured fibers with nanosecond and femtosecond pulse pumping. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 765.	2.1	362
368	Cross-correlation frequency resolved optical gating analysis of broadband continuum generation in photonic crystal fiber: simulations and experiments. Optics Express, 2002, 10, 1215.	3.4	200
369	Polarization-mode dispersion measurements in high-birefringence fibers by means of stimulated raman scattering. Applied Optics, 2002, 41, 2589.	2.1	6
370	Complete characterization of milliwatt peak power picosecond pulses at 10 GHz propagating over 300 km in a fiber recirculation-loop. , 2002, , NLMA7.		0
371	Solitary pulse propagation in high gain optical fiber amplifiers with normal group velocity dispersion. Optics Communications, 2002, 206, 171-177.	2.1	52
372	Numerical simulations and coherence properties of supercontinuum generation in photonic crystal and tapered optical fibers. IEEE Journal of Selected Topics in Quantum Electronics, 2002, 8, 651-659.	2.9	134
373	Complete intensity and chirp characterisation of mW peak power ps pulses at 10â€“GHz propagating over 308â€“km in fibre recirculation loop. Electronics Letters, 2002, 38, 1696.	1.0	3
374	Experimental Study of Modulational Instability and Vector Solitons in Optical Fibers. Lecture Notes in Physics, 2002, , 327-351.	0.7	0
375	Cross correlation frequency-resolved optical gating characterization of supercontinuum generation in microstructure fiber: simulation and experiment. , 2002, , .		0
376	Complete characterization of terahertz pulse trains generated from nonlinear processes in optical fibers. IEEE Journal of Quantum Electronics, 2001, 37, 587-594.	1.9	36
377	Compact broadband continuum source based on microchip laser pumped microstructured fibre. Electronics Letters, 2001, 37, 558.	1.0	72
378	The cancellation of nonlinear and dispersive phase components on the fundamental optical fiber soliton: a pedagogical note. Optics Communications, 2001, 193, 253-259.	2.1	12

#	ARTICLE	IF	CITATIONS
379	Tunable near-infrared femtosecond soliton generation in photonic crystal fibres. Electronics Letters, 2001, 37, 1510.	1.0	71
380	Generation and interaction of parabolic pulses in high gain fiber amplifiers and oscillators. , 2001, , .		4
381	Generation and interaction of parabolic pulses in high gain fiber amplifiers. , 2001, , .		0
382	Non-Recurrent Periodic Arrays of Spatial Solitons in a Planar Kerr Waveguide. , 2001, , 99-102.		0
383	Enhancement of non-resonant non-linear refractive index with reduction of absorption in push-pull molecules by reduction of their donor group strength. Chemical Physics Letters, 2000, 319, 669-673.	2.6	9
384	FROG Characterization of Pulses with Complex Intensity and Phase Substructure. , 2000, , 305-312.		0
385	Fiber-FROG. , 2000, , 337-343.		0
386	Sonogram characterisation of picosecond pulses at 1.5 [ $\mu\text{m}$ ] using waveguide two photon absorption. Electronics Letters, 2000, 36, 1141.	1.0	20
387	Self-similar propagation of high-power parabolic pulses in optical fiber amplifiers. Optics Letters, 2000, 25, 1753.	3.3	222
388	Self-Similar Propagation and Amplification of Parabolic Pulses in Optical Fibers. Physical Review Letters, 2000, 84, 6010-6013.	7.8	729
389	Optimised design of fibre-based pulse compressor for gain-switched DFB laser pulses at 1.5 [ $\mu\text{m}$ ]. Electronics Letters, 1999, 35, 1166.	1.0	9
390	Complete intensity and phase characterisation of optical pulse trains at terahertz repetition rates. Electronics Letters, 1999, 35, 2042.	1.0	12
391	Complete characterization of ultrashort pulse sources at 1550 nm. IEEE Journal of Quantum Electronics, 1999, 35, 441-450.	1.9	51
392	Complete characterization of a self-mode-locked Ti:sapphire laser in the vicinity of zero group-delay dispersion by frequency-resolved optical gating. Applied Optics, 1999, 38, 3308.	2.1	15
393	Generation and characterization of 06-THz polarization domain-wall trains in an ultralow-birefringence spun fiber. Optics Letters, 1999, 24, 1389.	3.3	25
394	Ultra-sensitive all-optical sampling at 1.5 [ $\mu\text{m}$ ] using waveguide two-photon absorption. Electronics Letters, 1999, 35, 1483.	1.0	26
395	Characterizing Pulse Propagation in Optical Fibers around 1550 nm Using Frequency-Resolved Optical Gating. Optical Fiber Technology, 1998, 4, 237-265.	2.7	18
396	Complete pulse characterization at 15 $\mu\text{m}$ by cross-phase modulation in optical fibers. Optics Letters, 1998, 23, 1582.	3.3	41

#	ARTICLE	IF	CITATIONS
397	Characterization of nonlinear switching in a figure-of-eight fiber laser using frequency-resolved optical gating. IEEE Photonics Technology Letters, 1998, 10, 343-345.	2.5	9
398	Characterization of 1.55- $\mu$ m pulses from a self-seeded gain-switched Fabry-Perot laser diode using frequency-resolved optical gating. IEEE Photonics Technology Letters, 1998, 10, 935-937.	2.5	28
399	Autocorrelation and ultrafast optical thresholding at 1.5 [ $\mu$ m] using a commercial InGaAsP 1.3 [ $\mu$ m] laser diode. Electronics Letters, 1998, 34, 358.	1.0	36
400	Ultrahigh speed all-optical demultiplexing based on two-photon absorption in a laser diode. Electronics Letters, 1998, 34, 1871.	1.0	22
401	Frequency-resolved optical gating measurement of 1.4 THz beat frequencies from dual wavelength self-seeded gain-switched laser diode. Electronics Letters, 1998, 34, 988.	1.0	3
402	Phase Waves in Mode-Locked Superfluorescent Lasers. Physical Review Letters, 1997, 78, 836-839.	7.8	10
403	Snell's law or Harriot's?. Physics Teacher, 1997, 35, 158-159.	0.3	1
404	Direct measurement of pulse distortion near the zero-dispersion wavelength in an optical fiber by frequency-resolved optical gating. Optics Letters, 1997, 22, 457.	3.3	35
405	Simultaneous measurement of optical fibre nonlinearity and dispersion using frequency resolved optical gating. Electronics Letters, 1997, 33, 707.	1.0	20
406	Richard Feynman's popular lectures on quantum electrodynamics: The 1979 Robb lectures at Auckland University. American Journal of Physics, 1996, 64, 694-698.	0.7	2
407	Complete characterisation of pulse propagation in optical fibres using frequency-resolved optical gating. Electronics Letters, 1996, 32, 2339.	1.0	9
408	Intermodal Dispersion and Polarization Mode Dispersion Measurements in Optical Fibers Using a Self-Modelocked Ti:Sapphire Laser. Optical Fiber Technology, 1996, 2, 80-84.	2.7	4
409	Top-down teaching in noncalculus-based introductory physics classes. American Journal of Physics, 1996, 64, 418-421.	0.7	3
410	Stable and unstable operation of a mode-locked argon laser. Quantum and Semiclassical Optics: Journal of the European Optical Society Part B, 1996, 8, 1029-1039.	0.9	5
411	Autocorrelation of ultrashort pulses at 1.5 [ $\mu$ m] based on nonlinear response of silicon photodiodes. Electronics Letters, 1996, 32, 1922.	1.0	36
412	Modelling the Atomic Superfluorescent Mode-Locked Laser. , 1996, , 705-706.		0
413	Coherent pulse propagation in a mode-locked argon laser: addendum. Journal of the Optical Society of America B: Optical Physics, 1995, 12, 950.	2.1	0
414	Vitamin K prophylaxis in high-dose chemotherapy. Lancet, The, 1995, 345, 1245.	13.7	9

#	ARTICLE	IF	CITATIONS
415	Ti: Sapphire Pumped Femtosecond Optical Parametric Oscillator Exhibiting Soliton Formation. Journal of Modern Optics, 1994, 41, 1231-1242.	1.3	2
416	Characteristics of a noncritically phasematched Ti: sapphire pumped femtosecond optical parametric oscillator. Optics Communications, 1994, 104, 419-430.	2.1	78
417	Nearly quantum-limited timing jitter in a self-mode-locked Ti:sapphire laser. Optics Letters, 1994, 19, 481.	3.3	48
418	Soliton formation in a femtosecond optical parametric oscillator. Optics Letters, 1994, 19, 825.	3.3	29
419	Coherent effects in a self-mode-locked Ti:sapphire laser. Optics Letters, 1994, 19, 972.	3.3	30
420	Coherent Pulse Propagation in Mode-Locked Laser Systems. Springer Proceedings in Physics, 1994, , 321-329.	0.2	0
421	Noise characteristics of a mode locked argon laser. Optics Communications, 1993, 97, 219-224.	2.1	6
422	Coherent pulse propagation in a mode-locked argon laser. Journal of the Optical Society of America B: Optical Physics, 1993, 10, 840.	2.1	20
423	The optical spectrum of a coherently mode-locked laser. Optics Communications, 1991, 82, 517-520.	2.1	4
424	Cross-phase modulational instability in high-birefringence fibers. Optics Communications, 1990, 78, 137-142.	2.1	139
425	Coherent ringing in pulses from a mode-locked argon laser. Optics Letters, 1990, 15, 335.	3.3	8
426	Polarization of Bremsstrahlen. Physical Review, 1956, 102, 925-926.	2.7	5
427	High Energy Photoproton Production by 322-Mev Bremsstrahlung. Physical Review, 1953, 89, 603-605.	2.7	10
428	Fundamental noise limitations on supercontinuum generation in microstructure fiber. , 0, , .		3
429	Amplitude noise on supercontinuum generated in microstructure fiber: measurements and simulations. , 0, , .		1
430	Parabolic pulse generation at 1550 nm via Raman amplification in standard telecommunications grade dispersion shifted fiber. , 0, , .		1
431	The compressibility of supercontinuum spectra generated in photonic crystal fibre. , 0, , .		0
432	Supercontinuum generation and nonlinear pulse propagation in photonic crystal fiber: influence of the frequency-dependent effective mode area. , 0, , .		0

#	ARTICLE	IF	CITATIONS
433	Milliwatt peak power cross-correlation frequency resolved optical gating geometry using fiber four-wave mixing. , 0, , .		0
434	Intermediate asymptotic evolution and photonic bandgap fibre compression of optical similaritons around 1550 nm. , 0, , .		4
435	Picosecond pulse generation using nonlinear time-lens compression. , 0, , .		0
436	Noise in carrier-envelope offset frequency signals obtained from supercontinua. , 0, , .		0
437	Introduction and history. , 0, , 1-29.		0
438	Fibre supercontinuum generation overview. , 0, , 52-61.		5
439	Supercontinuum generation in dispersion-varying fibers. , 0, , 285-305.		0
440	Supercontinuum generation in chalcogenide glass waveguides. , 0, , 306-333.		0
441	Supercontinuum generation and nonlinearity in soft glass fibres. , 0, , 82-118.		2
442	Interaction of four-wave mixing and stimulated Raman scattering in optical fibers. , 0, , 199-225.		0
443	Direct machining of curved trenches in silicon with femtosecond accelerating beams. Journal of the European Optical Society-Rapid Publications, 0, 8, .	1.9	20