John Michael Dudley

List of Publications by Citations

279 papers	15,816 citations	60 h-index	120 g-index
450 ext. papers	19,724 ext. citations	4.8 avg, IF	6.74 L-index

#	Paper	IF	Citations
279	Supercontinuum generation in photonic crystal fiber. *Reviews of Modern Physics*, **2006**, 78, 1135-1184	40.5	2655
278	The Peregrine soliton in nonlinear fibre optics. *Nature Physics*, **2010**, 6, 790-795	16.2	927
277	Instabilities, breathers and rogue waves in optics. *Nature Photonics*, **2014**, 8, 755-764	33.9	544
276	Self-similar propagation and amplification of parabolic pulses in optical fibers. *Physical Review Letters*, **2000**, 84, 6010-3	7.4	507
275	Coherence properties of supercontinuum spectra generated in photonic crystal and tapered optical fibers. *Optics Letters*, **2002**, 27, 1180-2	3	363
274	Modulation instability, Akhmediev Breathers and continuous wave supercontinuum generation. *Optics Express*, **2009**, 17, 21497-508	3.3	351
273	Observation of Kuznetsov-Ma soliton dynamics in optical fibre. *Scientific Reports*, **2012**, 2, 463	4.9	282
272	Ten years of nonlinear optics in photonic crystal fibre. *Nature Photonics*, **2009**, 3, 85-90	33.9	274
271	Supercontinuum generation in air–silica microstructured fibers with nanosecond and femtosecond pulse pumping. *Journal of the Optical Society of America B: Optical Physics*, **2002**, 19, 765	1.7	273
270	Fundamental noise limitations to supercontinuum generation in microstructure fiber. *Physical Review Letters*, **2003**, 90, 113904	7.4	255
269	Self-similarity in ultrafast nonlinear optics. *Nature Physics*, **2007**, 3, 597-603	16.2	243
268	Harnessing and control of optical rogue waves in supercontinuum generation. *Optics Express*, **2008**, 16, 3644-51	3.3	229
267	High aspect ratio nanochannel machining using single shot femtosecond Bessel beams. *Applied Physics Letters*, **2010**, 97, 081102	3.4	213
266	Fiber supercontinuum sources (Invited). *Journal of the Optical Society of America B: Optical Physics*, **2007**, 24, 1771	1.7	210
265	Recent progress in investigating optical rogue waves. *Journal of Optics (United Kingdom)*, **2013**, 15, 060201	2.1	209
264	Self-similar propagation of parabolic pulses in normal-dispersion fiber amplifiers. *Journal of the Optical Society of America B: Optical Physics*, **2002**, 19, 461	1.7	181
263	Real-time full-field characterization of transient dissipative soliton dynamics in a mode-locked laser. *Nature Photonics*, **2018**, 12, 221-227	33.9	174

262	Self-similar propagation of high-power parabolic pulses in optical fiber amplifiers. *Optics Letters*, **2000**, 25, 1753-5	3	173
261	Roadmap on optical rogue waves and extreme events. *Journal of Optics (United Kingdom)*, **2016**, 18, 063001	2.1	167
260	Ghost imaging in the time domain. *Nature Photonics*, **2016**, 10, 167-170	33.9	160
259	Arbitrary accelerating micron-scale caustic beams in two and three dimensions. *Optics Express*, **2011**, 19, 16455-65	3.3	160
258	Micromachining along a curve: Femtosecond laser micromachining of curved profiles in diamond and silicon using accelerating beams. *Applied Physics Letters*, **2012**, 101, 071110	3.4	149
257	Cross-correlation frequency resolved optical gating analysis of broadband continuum generation in photonic crystal fiber: simulations and experiments. *Optics Express*, **2002**, 10, 1215-21	3.3	149
256	Higher-order modulation instability in nonlinear fiber optics. *Physical Review Letters*, **2011**, 107, 253901	7.4	141
255	Real world ocean rogue waves explained without the modulational instability. *Scientific Reports*, **2016**, 6, 27715	4.9	130
254	Supercontinuum generation and nonlinear pulse propagation in photonic crystal fiber: influence of the frequency-dependent effective mode area. *Applied Physics B: Lasers and Optics*, **2005**, 81, 337-342	1.9	118
253	Cross-phase modulational instability in high-birefringence fibers. *Optics Communications*, **1990**, 78, 137-142	2	115
252	Real-time measurements of spontaneous breathers and rogue wave events in optical fibre modulation instability. *Nature Communications*, **2016**, 7, 13675	17.4	113
251	Experimental studies of the coherence of microstructure-fiber supercontinuum. *Optics Express*, **2003**, 11, 2697-703	3.3	111
250	High aspect ratio taper-free microchannel fabrication using femtosecond Bessel beams. *Optics Express*, **2010**, 18, 566-74	3.3	109
249	Rogue-wave-like characteristics in femtosecond supercontinuum generation. *Optics Letters*, **2009**, 34, 2468-70	3	108
248	Real-time full bandwidth measurement of spectral noise in supercontinuum generation. *Scientific Reports*, **2012**, 2, 882	4.9	107
247	Rogue waves and analogies in optics and oceanography. *Nature Reviews Physics*, **2019**, 1, 675-689	23.6	103
246	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	3.8	100
245	Azimuthal Turing Patterns, Bright and Dark Cavity Solitons in Kerr Combs Generated With Whispering-Gallery-Mode Resonators. *IEEE Photonics Journal*, **2013**, 5, 6100409-6100409	1.8	96

244	Peregrine soliton generation and breakup in standard telecommunications fiber. *Optics Letters*, **2011**, 36, 112-4	3	91
243	Modulation control and spectral shaping of optical fiber supercontinuum generation in the picosecond regime. *Applied Physics B: Lasers and Optics*, **2009**, 94, 187-194	1.9	89
242	Nonlinear envelope equation modeling of sub-cycle dynamics and harmonic generation in nonlinear waveguides. *Optics Express*, **2007**, 15, 5382-7	3.3	88
241	Optical rogue-wave-like extreme value fluctuations in fiber Raman amplifiers. *Optics Express*, **2008**, 16, 16467-74	3.3	87
240	Sending femtosecond pulses in circles: highly nonparaxial accelerating beams. *Optics Letters*, **2012**, 37, 1736-8	3	85
239	Experimental generation of parabolic pulses via Raman amplification in optical fiber. *Optics Express*, **2003**, 11, 1547-52	3.3	85
238	Cascaded phase matching and nonlinear symmetry breaking in fiber frequency combs. *Physical Review Letters*, **2012**, 109, 223904	7.4	83
237	Rogue waves □towards a unifying concept?: Discussions and debates. *European Physical Journal: Special Topics*, **2010**, 185, 5-15	2.3	82
236	Collisions and turbulence in optical rogue wave formation. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2010**, 374, 989-996	2.3	82
235	Universality of the Peregrine Soliton in the Focusing Dynamics of the Cubic Nonlinear Schr□dinger Equation. *Physical Review Letters*, **2017**, 119, 033901	7.4	76
234	Fundamental amplitude noise limitations to supercontinuum spectra generated in a microstructured fiber. *Applied Physics B: Lasers and Optics*, **2003**, 77, 269-277	1.9	75
233	Real time noise and wavelength correlations in octave-spanning supercontinuum generation. *Optics Express*, **2013**, 21, 18452-60	3.3	71
232	Characteristics of a noncritically phasematched Ti: sapphire pumped femtosecond optical parametric oscillator. *Optics Communications*, **1994**, 104, 419-430	2	70
231	Emergent rogue wave structures and statistics in spontaneous modulation instability. *Scientific Reports*, **2015**, 5, 10380	4.9	69
230	Spectral dynamics of modulation instability described using Akhmediev breather theory. *Optics Letters*, **2011**, 36, 2140-2	3	69
229	Surface nanoprocessing with nondiffracting femtosecond Bessel beams. *Optics Letters*, **2009**, 34, 3163-53		69
228	Nonlinear optics of fibre event horizons. *Nature Communications*, **2014**, 5, 4969	17.4	66
227	Fundamental limits to few-cycle pulse generation from compression of supercontinuum spectra generated in photonic crystal fiber. *Optics Express*, **2004**, 12, 2423-8	3.3	66

226	Rogue wave early warning through spectral measurements?. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2011**, 375, 541-544	2.3	65
225	Applications of femtosecond Bessel beams to laser ablation. *Applied Physics A: Materials Science and Processing*, **2013**, 112, 29-34	2.6	64
224	Electro-optic delay oscillator with nonlocal nonlinearity: Optical phase dynamics, chaos, and synchronization. *Physical Review E*, **2009**, 80, 026207	2.4	64
223	Generation of Ultralow Jitter Optical Pulses Using Optoelectronic Oscillators With Time-Lens Soliton-Assisted Compression. *Journal of Lightwave Technology*, **2009**, 27, 5160-5167	4	64
222	Machine learning and applications in ultrafast photonics. *Nature Photonics*, **2021**, 15, 91-101	33.9	62
221	Phononic band-gap guidance of acoustic modes in photonic crystal fibers. *Physical Review B*, **2005**, 71,	3.3	61
220	Optical rogue waves in whispering-gallery-mode resonators. *Physical Review A*, **2014**, 89,	2.6	58
219	Transform-limited spectral compression by self-phase modulation of amplitude-shaped pulses with negative chirp. *Optics Letters*, **2011**, 36, 707-9	3	57
218	Optical rogue wave statistics in laser filamentation. *Optics Express*, **2009**, 17, 12070-5	3.3	57
217	Optical Parabolic Pulse Generation and Applications. *IEEE Journal of Quantum Electronics*, **2009**, 45, 1482-1489		57
216	Intermediate asymptotic evolution and photonic bandgap fiber compression of optical similaritons around 1550 nm. *Optics Express*, **2005**, 13, 3236-41	3.3	57
215	Spatiotemporal nonlinear optical self-similarity in three dimensions. *Physical Review Letters*, **2009**, 102, 233903	7.4	55
214	Compact broadband continuum source based on microchip laser pumped microstructured fibre. *Electronics Letters*, **2001**, 37, 558	1.1	55
213	Hydrodynamic supercontinuum. *Physical Review Letters*, **2013**, 111, 054104	7.4	51
212	Akhmediev breather evolution in optical fiber for realistic initial conditions. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2011**, 375, 2029-2034	2.3	50
211	Amplitude noise and coherence degradation of femtosecond supercontinuum generation in all-normal-dispersion fibers. *Journal of the Optical Society of America B: Optical Physics*, **2019**, 36, A161	1.7	50
210	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	2.5	49
209	On the statistical interpretation of optical rogue waves. *European Physical Journal: Special Topics*, **2010**, 185, 135-144	2.3	49

208	Asymptotic characteristics of parabolic similariton pulses in optical fiber amplifiers. *Optics Letters*, **2004**, 29, 2533-5	3	49
207	Tunable near-infrared femtosecond soliton generation in photonic crystal fibres. *Electronics Letters*, **2001**, 37, 1510	1.1	49
206	Ultrabroadband coherent supercontinuum frequency comb. *Physical Review A*, **2011**, 84,	2.6	48
205	Nonlinear pulse propagation and supercontinuum generation in photonic nanowires: experiment and simulation. *Applied Physics B: Lasers and Optics*, **2005**, 81, 363-367	1.9	48
204	Self-referenceable frequency comb from a gigahertz diode-pumped solid-state laser. *Optics Express* , **2011**, 19, 16491-7	3.3	47
203	Hydrodynamics of periodic breathers. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2014**, 372,	3	46
202	Tubular filamentation for laser material processing. *Scientific Reports*, **2015**, 5, 8914	4.9	46
201	Machine learning analysis of extreme events in optical fibre modulation instability. *Nature Communications*, **2018**, 9, 4923	17.4	46
200	Single-shot ultrafast laser processing of high-aspect-ratio nanochannels using elliptical Bessel beams. *Optics Letters*, **2017**, 42, 4307-4310	3	45
199	Direct detection of optical rogue wave energy statistics in supercontinuum generation. *Electronics Letters*, **2009**, 45, 217	1.1	45
198	Solitary pulse propagation in high gain optical fiber amplifiers with normal group velocity dispersion. *Optics Communications*, **2002**, 206, 171-177	2	45
197	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	3.8	44
196	Supercontinuum light. *Physics Today*, **2013**, 66, 29-34	0.9	42
195	Self-referencable frequency comb from a 170-fs, 1.5-μm solid-state laser oscillator. *Applied Physics B: Lasers and Optics*, **2010**, 99, 401-408	1.9	42
194	Soliton spectral tunnelling in photonic crystal fibre with sub-wavelength core defect. *Electronics Letters*, **2007**, 43, 967	1.1	42
193	Suspended core tellurite glass optical fibers for infrared supercontinuum generation. *Optical Materials*, **2011**, 33, 1661-1666	3.3	41
192	Complete characterization of ultrashort pulse sources at 1550 nm. *IEEE Journal of Quantum Electronics*, **1999**, 35, 441-450	2	41
191	Giant dispersive wave generation through soliton collision. *Optics Letters*, **2010**, 35, 658-60	3	40

190	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	1.7	40
189	Femtosecond laser fabrication of micro and nano-disks in single layer graphene using vortex Bessel beams. *Applied Physics Letters*, **2013**, 103, 241111	3.4	39
188	Universal triangular spectra in parametrically-driven systems. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2011**, 375, 775-779	2.3	39
187	Parabolic pulse generation in comb-like profiled dispersion decreasing fibre. *Electronics Letters*, **2006**, 42, 965	1.1	39
186	Extreme wave events in Ireland: 14 680 BP2012. *Natural Hazards and Earth System Sciences*, **2013**, 13, 625-648	3.9	38
185	Nearly quantum-limited timing jitter in a self-mode-locked Ti:sapphire laser. *Optics Letters*, **1994**, 19, 481-3	3	38
184	Universal nonlinear scattering in ultra-high Q whispering gallery-mode resonators. *Optics Express*, **2016**, 24, 14880-94	3.3	37
183	Route to Coherent Supercontinuum Generation in the Long Pulse Regime. *IEEE Journal of Quantum Electronics*, **2009**, 45, 1331-1335	2	36
182	Arbitrary nonparaxial accelerating periodic beams and spherical shaping of light. *Optics Letters*, **2013**, 38, 2218-20	3	33
181	Experimental Generation of Riemann Waves in Optics: A Route to Shock Wave Control. *Physical Review Letters*, **2016**, 117, 073902	7.4	33
180	Arbitrary shaping of on-axis amplitude of femtosecond Bessel beams with a single phase-only spatial light modulator. *Optics Express*, **2016**, 24, 11495-504	3.3	32
179	Complete pulse characterization at 1.5 mum by cross-phase modulation in optical fibers. *Optics Letters*, **1998**, 23, 1582-4	3	32
178	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	1.9	31
177	Complete characterization of terahertz pulse trains generated from nonlinear processes in optical fibers. *IEEE Journal of Quantum Electronics*, **2001**, 37, 587-594	2	31
176	Far-detuned mid-infrared frequency conversion via normal dispersion modulation instability in chalcogenide microwires. *Optics Letters*, **2014**, 39, 1885-8	3	30
175	Direct measurement of pulse distortion near the zero-dispersion wavelength in an optical fiber by frequency-resolved optical gating. *Optics Letters*, **1997**, 22, 457-9	3	30
174	High aspect ratio micro-explosions in the bulk of sapphire generated by femtosecond Bessel beams. *Scientific Reports*, **2016**, 6, 34286	4.9	29
173	Extreme wave runup on a vertical cliff. *Geophysical Research Letters*, **2013**, 40, 3138-3143	4.9	29

172	Laser micro- and nanostructuring using femtosecond Bessel beams. *European Physical Journal: Special Topics*, **2011**, 199, 101-110	2.3	29
171	Experimental signatures of dispersive waves emitted during soliton collisions. *Optics Express*, **2010**, 18, 13379-84	3.3	29
170	Autocorrelation of ultrashort pulses at 1.5 [micro sign]m based on nonlinear response of silicon photodiodes. *Electronics Letters*, **1996**, 32, 1922	1.1	29
169	Caustics and Rogue Waves in an Optical Sea. *Scientific Reports*, **2015**, 5, 12822	4.9	28
168	Describing supercontinuum noise and rogue wave statistics using higher-order moments. *Optics Communications*, **2012**, 285, 2451-2455	2	28
167	Milliwatt-peak-power pulse characterization at 1.55 microm by wavelength-conversion frequency-resolved optical gating. *Optics Letters*, **2002**, 27, 863-5	3	27
166	Magnified time-domain ghost imaging. *APL Photonics*, **2017**, 2, 046102	5.2	26
165	Nonlinear Bessel vortex beams for applications. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2015**, 48, 094006	1.3	26
164	2–10 μm Mid-Infrared Fiber-Based Supercontinuum Laser Source: Experiment and Simulation. *Laser and Photonics Reviews*, **2020**, 14, 2000011	8.3	26
163	Filamentation with nonlinear Bessel vortices. *Optics Express*, **2014**, 22, 25410-25	3.3	26
162	Incoherent resonant seeding of modulation instability in optical fiber. *Optics Letters*, **2013**, 38, 5338-41	3	26
161	All-fiber source of 20-fs pulses at 1550 nm using two-stage linear-nonlinear compression of parabolic similaritons. *IEEE Photonics Technology Letters*, **2006**, 18, 1831-1833	2.2	26
160	Coherent effects in a self-mode-locked Ti:sapphire laser. *Optics Letters*, **1994**, 19, 972-4	3	26
159	Extreme events in optics: Challenges of the MANUREVA project. *European Physical Journal: Special Topics*, **2010**, 185, 125-133	2.3	25
158	Autocorrelation and ultrafast optical thresholding at 1.5 [micro sign]m using a commercial InGaAsP 1.3 [micro sign]m laser diode. *Electronics Letters*, **1998**, 34, 358	1.1	25
157	Soliton formation in a femtosecond optical parametric oscillator. *Optics Letters*, **1994**, 19, 825-7	3	25
156	Submicron-quality cleaving of glass with elliptical ultrafast Bessel beams. *Applied Physics Letters*, **2017**, 111, 231108	3.4	24
155	On the phase-dependent manifestation of optical rogue waves. *Nonlinearity*, **2012**, 25, R73-R83	1.7	24

154	Selection of Extreme Events Generated in Raman Fiber Amplifiers Through Spectral Offset Filtering. *IEEE Journal of Quantum Electronics*, **2010**, 46, 205-213	2	24
153	Extinction-ratio-independent method for chirp measurements of Mach-Zehnder modulators. *Optics Express*, **2004**, 12, 442-8	3.3	23
152	Polarization mode dispersion and vectorial modulational instability in air-silica microstructure fiber. *Optics Letters*, **2002**, 27, 695-7	3	23
151	Supercontinuum generation by intermodal four-wave mixing in a step-index few-mode fibre. *APL Photonics*, **2019**, 4, 022905	5.2	23
150	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	3.9	22
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148	Characterization of 1.55-□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	2.2	22
147	Real-time characterization of spectral instabilities in a mode-locked fibre laser exhibiting soliton-similariton dynamics. *Scientific Reports*, **2019**, 9, 13950	4.9	21
146	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, 790-3	1.8	20
145	Limitations of the linear Raman gain approximation in modeling broadband nonlinear propagation in optical fibers. *Optics Express*, **2010**, 18, 25449-60	3.3	20
144	Nonlinear spectral broadening of femtosecond pulses in solid-core photonic bandgap fibers. *Optics Letters*, **2010**, 35, 2813-5	3	20
143	Predicting ultrafast nonlinear dynamics in fibre optics with a recurrent neural network. *Nature Machine Intelligence*, **2021**, 3, 344-354	22.5	20
142	Recurrence phase shift in Fermi□Pasta□Ulam nonlinear dynamics. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2011**, 375, 4158-4161	2.3	19
141	Effects of structural irregularities on modulational instability phase matching in photonic crystal fibers. *Optics Letters*, **2004**, 29, 1903-5	3	19
140	Phase evolution of Peregrine-like breathers in optics and hydrodynamics. *Physical Review E*, **2019**, 99, 012207	2.4	19
139	Nonlinear fibre optics overview32-51		18
138	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	2.3	18
137	Generation and characterization of 0.6-THz polarization domain-wall trains in an ultralow-birefringence spun fiber. *Optics Letters*, **1999**, 24, 1389-91	3	18

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135	Supercontinuum spectral-domain ghost imaging. *Optics Letters*, **2018**, 43, 5025-5028	3	18
134	Chalcogenide-glass polarization-maintaining photonic crystal fiber for mid-infrared supercontinuum generation. *JPhys Photonics*, **2019**, 1, 044003	2.5	17
133	Emergence of coherent wave groups in deep-water random sea. *Physical Review E*, **2013**, 87, 063001	2.4	17
132	Simultaneous measurement of optical fibre nonlinearity and dispersion using frequency resolved optical gating. *Electronics Letters*, **1997**, 33, 707	1.1	17
131	Characterizing Pulse Propagation in Optical Fibers around 1550 nm Using Frequency-Resolved Optical Gating. *Optical Fiber Technology*, **1998**, 4, 237-265	2.4	17
130	Temporal ghost imaging using wavelength conversion and two-color detection. *Optica*, **2019**, 6, 902	8.6	17
129	Direct machining of curved trenches in silicon with femtosecond accelerating beams. *Journal of the European Optical Society-Rapid Publications*, **2013**, 8,	2.5	16
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126	Sonogram characterisation of picosecond pulses at 1.5 [micro sign]m using waveguide two photon absorption. *Electronics Letters*, **2000**, 36, 1141	1.1	16
125	Accelerating Beyond the Horizon. *Optics and Photonics News*, **2012**, 23, 26	1.9	15
124	Supercontinuum Generation From 1.35 to 1.7 mum by Nanosecond Pumping Near the Second Zero- Dispersion Wavelength of a Microstructured Fiber. *IEEE Photonics Technology Letters*, **2008**, 20, 842-844	2.2	15
123	Catalogue of extreme wave events in Ireland: revised and updated for 14 680 BP to 2017. *Natural Hazards and Earth System Sciences*, **2018**, 18, 729-758	3.9	15
122	Ultrahigh speed all-optical demultiplexing based on two-photon absorption in a laser diode. *Electronics Letters*, **1998**, 34, 1871	1.1	14
121	Ultra-sensitive all-optical sampling at 1.5 [micro sign]m using waveguide two-photon absorption. *Electronics Letters*, **1999**, 35, 1483	1.1	14
120	Random walks and random numbers from supercontinuum generation. *Optics Express*, **2012**, 20, 11143-52	3.3	13
119	Optical pulse generation using soliton-assisted time-lens compression. *Optics Express*, **2005**, 13, 1743-8	3.3	13

118	Chirp-controlled soliton fission in tapered optical fibers. *Applied Physics B: Lasers and Optics*, **2006**, 83, 37-42	1.9	13
117	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, 3308-15	1.7	13
116	Ultra-flat, low-noise, and linearly polarized fiber supercontinuum source covering 670-1390 nm. *Optics Letters*, **2021**, 46, 1820-1823	3	13
115	Deviation from threshold model in ultrafast laser ablation of graphene at sub-micron scale. *Applied Physics Letters*, **2015**, 107, 061103	3.4	12
114	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	1.7	12
113	Nonlinear spectral shaping and optical rogue events in fiber-based systems. *Optical Fiber Technology*, **2012**, 18, 248-256	2.4	11
112	Supercontinuum generation by nanosecond dual-pumping near the two zero-dispersion wavelengths of a photonic crystal fiber. *Optics Communications*, **2011**, 284, 467-470	2	11
111	Harmonic extended supercontinuum generation and carrier envelope phase dependent spectral broadening in silica nanowires. *Optics Express*, **2008**, 16, 10886-93	3.3	11
110	Optimised one-step compression of femtosecond fibre laser soliton pulses around 1550 nm to below 30 fs in highly nonlinear fibre. *Electronics Letters*, **2007**, 43, 915	1.1	11
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108	Instabilities in a dissipative soliton-similariton laser using a scalar iterative map. *Optics Letters*, **2020** , 45, 1232-1235	3	11
107	Akhmediev breather signatures from dispersive propagation of a periodically phase-modulated continuous wave. *Wave Motion*, **2020**, 95, 102545	1.8	10
106	On Hokusai's : localization, linearity and a rogue wave in sub-Antarctic waters. *Notes and Records of the Royal Society*, **2013**, 67, 159-164	0.4	10
105	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	2.3	10
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103	High Energy Photoproton Production by 322-Mev Bremsstrahlung. *Physical Review*, **1953**, 89, 603-605		10
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101	Ikeda-like chaos on a dynamically filtered supercontinuum light source. *Physical Review A*, **2016**, 94,	2.6	9

100	Alternate multiwavelength modelocked fiber laser. *IEEE Photonics Technology Letters*, **2004**, 16, 1816-1818	1.8	9
99	The cancellation of nonlinear and dispersive phase components on the fundamental optical fiber soliton: a pedagogical note. *Optics Communications*, **2001**, 193, 253-259	2	9
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97	Vitamin K prophylaxis in high-dose chemotherapy. *Lancet, The*, **1995**, 345, 1245	40	9
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95	Controlling nonlinear instabilities in Bessel beams through longitudinal intensity shaping. *Optics Letters*, **2017**, 42, 3785-3788	3	8
94	Ultrashort laser pulse filamentation with Airy and Bessel beams **2013**,		8
93	Design of solid core photonic bandgap fibers for visible supercontinuum generation. *Optics Communications*, **2011**, 284, 1661-1668	2	8
92	Phase Waves in Mode-Locked Superfluorescent Lasers. *Physical Review Letters*, **1997**, 78, 836-839	7.4	8
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