

John Michael Dudley

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Feed-forward neural network as nonlinear dynamics integrator for supercontinuum generation.. <i>Optics Letters</i> , 2022 , 47, 802-805	3	2
278	Feed-forward neural network as nonlinear dynamics integrator for supercontinuum generation: erratum.. <i>Optics Letters</i> , 2022 , 47, 1741	3	
277	Ultra-flat, low-noise, and linearly polarized fiber supercontinuum source covering 670-1390 nm: publisher's note.. <i>Optics Letters</i> , 2022 , 47, 2064	3	1
276	Noise in supercontinuum generated using PM and non-PM tellurite glass all-normal dispersion fibers.. <i>Optics Letters</i> , 2022 , 47, 2550-2553	3	0
275	Two octave supercontinuum generation in a non-silica graded-index multimode fiber.. <i>Nature Communications</i> , 2022 , 13, 2126	17.4	3
274	Recent advances on time-stretch dispersive Fourier transform and its applications. <i>Advances in Physics: X</i> , 2022 , 7,	5.1	0
273	Ultra-flat, low-noise, and linearly polarized fiber supercontinuum source covering 670-1390 nm. <i>Optics Letters</i> , 2021 , 46, 1820-1823	3	13
272	Experimental demonstration of spectral domain computational ghost imaging. <i>Scientific Reports</i> , 2021 , 11, 8403	4.9	3
271	Modelling self-similar parabolic pulses in optical fibres with a neural network. <i>Results in Optics</i> , 2021 , 3, 100066	1	7
270	Machine learning and applications in ultrafast photonics. <i>Nature Photonics</i> , 2021 , 15, 91-101	33.9	62
269	Predicting ultrafast nonlinear dynamics in fibre optics with a recurrent neural network. <i>Nature Machine Intelligence</i> , 2021 , 3, 344-354	22.5	20
268	The Peregrine Breather on the Zero-Background Limit as the Two-Soliton Degenerate Solution: An Experimental Study. <i>Frontiers in Physics</i> , 2021 , 9,	3.9	2
267	Intracavity incoherent supercontinuum dynamics and rogue waves in a broadband dissipative soliton laser. <i>Nature Communications</i> , 2021 , 12, 5567	17.4	2
266	2000nm Mid-Infrared Fiber-Based Supercontinuum Laser Source: Experiment and Simulation. <i>Laser and Photonics Reviews</i> , 2020 , 14, 2000011	8.3	26
265	Akhmediev breather signatures from dispersive propagation of a periodically phase-modulated continuous wave. <i>Wave Motion</i> , 2020 , 95, 102545	1.8	10
264	Instabilities in a dissipative soliton-similariton laser using a scalar iterative map. <i>Optics Letters</i> , 2020 , 45, 1232-1235	3	11
263	Cross-phase modulation instability in PM ANDi fiber-based supercontinuum generation. <i>Optics Letters</i> , 2020 , 45, 3545-3548	3	10

262	Spectral correlation of four-wave mixing generated in a photonic crystal fiber pumped by a chirped pulse. <i>Optics Letters</i> , 2020 , 45, 4148-4151	3	4
261	Silica-based photonic crystal fiber for the generation of broad band UV radiation. <i>OSA Continuum</i> , 2020 , 3, 31	1.4	2
260	Dispersive Fourier transform characterization of multipulse dissipative soliton complexes in a mode-locked soliton-similariton laser. <i>OSA Continuum</i> , 2020 , 3, 275	1.4	5
259	Machine learning analysis of rogue solitons in supercontinuum generation. <i>Scientific Reports</i> , 2020 , 10, 9596	4.9	7
258	Real-time characterization of spectral instabilities in a mode-locked fibre laser exhibiting soliton-similariton dynamics. <i>Scientific Reports</i> , 2019 , 9, 13950	4.9	21
257	Chalcogenide-glass polarization-maintaining photonic crystal fiber for mid-infrared supercontinuum generation. <i>JPhys Photonics</i> , 2019 , 1, 044003	2.5	17
256	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-C77	1.8	1
255	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	1.7	50
254	Ghost optical coherence tomography. <i>Optics Express</i> , 2019 , 27, 24114-24122	3.3	5
253	Temporal ghost imaging using wavelength conversion and two-color detection. <i>Optica</i> , 2019 , 6, 902	8.6	17
252	Interferometric autocorrelation measurements of supercontinuum based on two-photon absorption. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019 , 36, 1320	1.7	1
251	Promoting photonics: it is up to all of us. <i>Advanced Photonics</i> , 2019 , 1, 1	8.1	
250	Supercontinuum generation by intermodal four-wave mixing in a step-index few-mode fibre. <i>APL Photonics</i> , 2019 , 4, 022905	5.2	23
249	Rogue waves and analogies in optics and oceanography. <i>Nature Reviews Physics</i> , 2019 , 1, 675-689	23.6	103
248	Phase evolution of Peregrine-like breathers in optics and hydrodynamics. <i>Physical Review E</i> , 2019 , 99, 012207	2.4	19
247	Real-time full-field characterization of transient dissipative soliton dynamics in a mode-locked laser. <i>Nature Photonics</i> , 2018 , 12, 221-227	33.9	174
246	Supercontinuum spectral-domain ghost imaging. <i>Optics Letters</i> , 2018 , 43, 5025-5028	3	18
245	Supercontinuum generation in heavy-metal oxide glass based suspended-core photonic crystal fibers: erratum. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018 , 35, 2815	1.7	

244	Machine learning analysis of extreme events in optical fibre modulation instability. <i>Nature Communications</i> , 2018 , 9, 4923	17.4	46
243	Supercontinuum generation in heavy-metal oxide glass based suspended-core photonic crystal fibers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018 , 35, 2311	1.7	12
242	Catalogue of extreme wave events in Ireland: revised and updated for 14 680 BP to 2017. <i>Natural Hazards and Earth System Sciences</i> , 2018 , 18, 729-758	3.9	15
241	Magnified time-domain ghost imaging. <i>APL Photonics</i> , 2017 , 2, 046102	5.2	26
240	Ultrafast simultaneous real time spectral and temporal measurements of fibre laser modelocking dynamics 2017 ,		1
239	Controlling nonlinear instabilities in Bessel beams through longitudinal intensity shaping. <i>Optics Letters</i> , 2017 , 42, 3785-3788	3	8
238	Universality of the Peregrine Soliton in the Focusing Dynamics of the Cubic Nonlinear Schrödinger Equation. <i>Physical Review Letters</i> , 2017 , 119, 033901	7.4	76
237	Submicron-quality cleaving of glass with elliptical ultrafast Bessel beams. <i>Applied Physics Letters</i> , 2017 , 111, 231108	3.4	24
236	Single-shot ultrafast laser processing of high-aspect-ratio nanochannels using elliptical Bessel beams. <i>Optics Letters</i> , 2017 , 42, 4307-4310	3	45
235	Ikeda-like chaos on a dynamically filtered supercontinuum light source. <i>Physical Review A</i> , 2016 , 94,	2.6	9
234	Arbitrary shaping of on-axis amplitude of femtosecond Bessel beams with a single phase-only spatial light modulator. <i>Optics Express</i> , 2016 , 24, 11495-504	3.3	32
233	High aspect ratio micro-explosions in the bulk of sapphire generated by femtosecond Bessel beams. <i>Scientific Reports</i> , 2016 , 6, 34286	4.9	29
232	Real world ocean rogue waves explained without the modulational instability. <i>Scientific Reports</i> , 2016 , 6, 27715	4.9	130
231	Ghost imaging in the time domain. <i>Nature Photonics</i> , 2016 , 10, 167-170	33.9	160
230	Single Shot Time Domain Ghost Imaging using Wavelength Multiplexing 2016 ,		4
229	Universal nonlinear scattering in ultra-high Q whispering gallery-mode resonators. <i>Optics Express</i> , 2016 , 24, 14880-94	3.3	37
228	Real-time measurements of spontaneous breathers and rogue wave events in optical fibre modulation instability. <i>Nature Communications</i> , 2016 , 7, 13675	17.4	113
227	Roadmap on optical rogue waves and extreme events. <i>Journal of Optics (United Kingdom)</i> , 2016 , 18, 063001		167

226	Experimental Generation of Riemann Waves in Optics: A Route to Shock Wave Control. <i>Physical Review Letters</i> , 2016 , 117, 073902	7.4	33
225	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	2.5	49
224	Nonlinear Bessel vortex beams for applications. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015 , 48, 094006	1.3	26
223	Caustics and Rogue Waves in an Optical Sea. <i>Scientific Reports</i> , 2015 , 5, 12822	4.9	28
222	Deviation from threshold model in ultrafast laser ablation of graphene at sub-micron scale. <i>Applied Physics Letters</i> , 2015 , 107, 061103	3.4	12
221	Light trajectory in Bessel-Gauss vortex beams. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2015 , 32, 1313-6	1.8	9
220	Tubular filamentation for laser material processing. <i>Scientific Reports</i> , 2015 , 5, 8914	4.9	46
219	Emergent rogue wave structures and statistics in spontaneous modulation instability. <i>Scientific Reports</i> , 2015 , 5, 10380	4.9	69
218	Environment, Wildlife and LED Illumination. <i>Optics and Photonics News</i> , 2015 , 26, 42	1.9	2
217	Noise and Chaos Contributions in Fast Random Bit Sequence Generated From Broadband Optoelectronic Entropy Sources. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2014 , 61, 888-901	3.9	22
216	Optical rogue waves in whispering-gallery-mode resonators. <i>Physical Review A</i> , 2014 , 89,	2.6	58
215	Spatiotemporal structure of femtosecond Bessel beams from spatial light modulators. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2014 , 31, 790-3	1.8	20
214	Instabilities, breathers and rogue waves in optics. <i>Nature Photonics</i> , 2014 , 8, 755-764	33.9	544
213	Hydrodynamics of periodic breathers. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2014 , 372,	3	46
212	Nonlinear optics of fibre event horizons. <i>Nature Communications</i> , 2014 , 5, 4969	17.4	66
211	Experimental dynamics of Akhmediev breathers in a dispersion varying optical fiber. <i>Optics Letters</i> , 2014 , 39, 4490-3	3	22
210	Far-detuned mid-infrared frequency conversion via normal dispersion modulation instability in chalcogenide microwires. <i>Optics Letters</i> , 2014 , 39, 1885-8	3	30
209	Filamentation with nonlinear Bessel vortices. <i>Optics Express</i> , 2014 , 22, 25410-25	3.3	26

208	Hydrodynamic supercontinuum. <i>Physical Review Letters</i> , 2013 , 111, 054104	7.4	51
207	Arbitrary nonparaxial accelerating periodic beams and spherical shaping of light. <i>Optics Letters</i> , 2013 , 38, 2218-20	3	33
206	Ultrafast Nonlinear Fibre Optics and Supercontinuum Generation 2013 , 177-193		2
205	Ultrashort laser pulse filamentation with Airy and Bessel beams 2013 ,		8
204	Applications of femtosecond Bessel beams to laser ablation. <i>Applied Physics A: Materials Science and Processing</i> , 2013 , 112, 29-34	2.6	64
203	Extreme wave runup on a vertical cliff. <i>Geophysical Research Letters</i> , 2013 , 40, 3138-3143	4.9	29
202	Supercontinuum light. <i>Physics Today</i> , 2013 , 66, 29-34	0.9	42
201	Real time noise and wavelength correlations in octave-spanning supercontinuum generation. <i>Optics Express</i> , 2013 , 21, 18452-60	3.3	71
200	On Hokusai's : localization, linearity and a rogue wave in sub-Antarctic waters. <i>Notes and Records of the Royal Society</i> , 2013 , 67, 159-164	0.4	10
199	Azimuthal Turing Patterns, Bright and Dark Cavity Solitons in Kerr Combs Generated With Whispering-Gallery-Mode Resonators. <i>IEEE Photonics Journal</i> , 2013 , 5, 6100409-6100409	1.8	96
198	Femtosecond laser fabrication of micro and nano-disks in single layer graphene using vortex Bessel beams. <i>Applied Physics Letters</i> , 2013 , 103, 241111	3.4	39
197	Wavelength correlation maps in Raman supercontinuum generation 2013 ,		1
196	Recent progress in investigating optical rogue waves. <i>Journal of Optics (United Kingdom)</i> , 2013 , 15, 060201	0.7	209
195	Emergence of coherent wave groups in deep-water random sea. <i>Physical Review E</i> , 2013 , 87, 063001	2.4	17
194	Incoherent resonant seeding of modulation instability in optical fiber. <i>Optics Letters</i> , 2013 , 38, 5338-41	3	26
193	Direct machining of curved trenches in silicon with femtosecond accelerating beams. <i>Journal of the European Optical Society-Rapid Publications</i> , 2013 , 8,	2.5	16
192	Extreme wave events in Ireland: 14 680 BP. <i>Natural Hazards and Earth System Sciences</i> , 2013 , 13, 625-648	3.9	38
191	Describing supercontinuum noise and rogue wave statistics using higher-order moments. <i>Optics Communications</i> , 2012 , 285, 2451-2455	2	28

190	Nonlinear spectral shaping and optical rogue events in fiber-based systems. <i>Optical Fiber Technology</i> , 2012 , 18, 248-256	2.4	11
189	Observation of Kuznetsov-Ma soliton dynamics in optical fibre. <i>Scientific Reports</i> , 2012 , 2, 463	4.9	282
188	Micromachining along a curve: Femtosecond laser micromachining of curved profiles in diamond and silicon using accelerating beams. <i>Applied Physics Letters</i> , 2012 , 101, 071110	3.4	149
187	Cascaded phase matching and nonlinear symmetry breaking in fiber frequency combs. <i>Physical Review Letters</i> , 2012 , 109, 223904	7.4	83
186	Real-time full bandwidth measurement of spectral noise in supercontinuum generation. <i>Scientific Reports</i> , 2012 , 2, 882	4.9	107
185	Accelerating Beyond the Horizon. <i>Optics and Photonics News</i> , 2012 , 23, 26	1.9	15
184	Sending femtosecond pulses in circles: highly nonparaxial accelerating beams. <i>Optics Letters</i> , 2012 , 37, 1736-8	3	85
183	Random walks and random numbers from supercontinuum generation. <i>Optics Express</i> , 2012 , 20, 11143-53	5.3	13
182	On the phase-dependent manifestation of optical rogue waves. <i>Nonlinearity</i> , 2012 , 25, R73-R83	1.7	24
181	Kuznetsov-Ma Soliton Dynamics in Nonlinear Fiber Optics 2012 ,		1
180	Higher-order modulation instability in nonlinear fiber optics. <i>Physical Review Letters</i> , 2011 , 107, 253901	7.4	141
179	Nonlinear pulse shaping by coherent addition of multiple redshifted solitons. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011 , 28, 1716	1.7	7
178	Arbitrary accelerating micron-scale caustic beams in two and three dimensions. <i>Optics Express</i> , 2011 , 19, 16455-65	3.3	160
177	Self-referenceable frequency comb from a gigahertz diode-pumped solid-state laser. <i>Optics Express</i> , 2011 , 19, 16491-7	3.3	47
176	Peregrine soliton generation and breakup in standard telecommunications fiber. <i>Optics Letters</i> , 2011 , 36, 112-4	3	91
175	Transform-limited spectral compression by self-phase modulation of amplitude-shaped pulses with negative chirp. <i>Optics Letters</i> , 2011 , 36, 707-9	3	57
174	Spectral dynamics of modulation instability described using Akhmediev breather theory. <i>Optics Letters</i> , 2011 , 36, 2140-2	3	69
173	Pump-soliton nonlinear wave mixing in noise-driven fiber supercontinuum generation. <i>Optics Letters</i> , 2011 , 36, 3870-2	3	3

172	Supercontinuum generation in suspended core microstructured tellurite optical fibers 2011 ,		2
171	Analytical studies of modulation instability and nonlinear compression dynamics in optical fiber propagation 2011 ,		2
170	Rogue Waves. <i>Lecture Notes Series, Institute for Mathematical Sciences</i> , 2011 , 295-307	0.1	1
169	Suspended core tellurite glass optical fibers for infrared supercontinuum generation. <i>Optical Materials</i> , 2011 , 33, 1661-1666	3.3	41
168	Recurrence phase shift in Fermi-Pasta-Ulam nonlinear dynamics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011 , 375, 4158-4161	2.3	19
167	Laser micro- and nanostructuring using femtosecond Bessel beams. <i>European Physical Journal: Special Topics</i> , 2011 , 199, 101-110	2.3	29
166	Coherent widely tunable source of sub-picosecond pulses using all-normal dispersion fiber supercontinuum 2011 ,		2
165	Supercontinuum generation by nanosecond dual-pumping near the two zero-dispersion wavelengths of a photonic crystal fiber. <i>Optics Communications</i> , 2011 , 284, 467-470	2	11
164	Design of solid core photonic bandgap fibers for visible supercontinuum generation. <i>Optics Communications</i> , 2011 , 284, 1661-1668	2	8
163	Universal triangular spectra in parametrically-driven systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011 , 375, 775-779	2.3	39
162	Rogue wave early warning through spectral measurements?. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011 , 375, 541-544	2.3	65
161	Akhmediev breather evolution in optical fiber for realistic initial conditions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011 , 375, 2029-2034	2.3	50
160	Ultrabroadband coherent supercontinuum frequency comb. <i>Physical Review A</i> , 2011 , 84,	2.6	48
159	Femtosecond non-diffracting Bessel beams and controlled nanoscale ablation 2011 ,		3
158	Optimization and characterization of a femtosecond tunable light source based on the soliton self-frequency shift in photonic crystal fiber 2011 ,		5
157	Polarized multiplex coherent anti-Stokes Raman scattering using a picosecond laser and a fiber supercontinuum. <i>Journal of Biomedical Optics</i> , 2011 , 16, 021108	3.5	5
156	Taper topography control of instabilities and rogue waves in supercontinuum fibers 2011 ,		1
155	The Peregrine soliton in nonlinear fibre optics. <i>Nature Physics</i> , 2010 , 6, 790-795	16.2	927

154	Generation of ultrafast Bessel micro-beams and applications to laser surface nanoprocessing 2010 ,		1
153	Soliton Collision Induced Dispersive Wave Generation 2010 ,		1
152	High aspect ratio nanochannel machining using single shot femtosecond Bessel beams. <i>Applied Physics Letters</i> , 2010 , 97, 081102	3-4	213
151	Rogue waves in femtosecond supercontinuum generation 2010 ,		1
150	Experimental signatures of dispersive waves emitted during soliton collisions. <i>Optics Express</i> , 2010 , 18, 13379-84	3-3	29
149	Limitations of the linear Raman gain approximation in modeling broadband nonlinear propagation in optical fibers. <i>Optics Express</i> , 2010 , 18, 25449-60	3-3	20
148	Giant dispersive wave generation through soliton collision. <i>Optics Letters</i> , 2010 , 35, 658-60	3	40
147	Nonlinear spectral broadening of femtosecond pulses in solid-core photonic bandgap fibers. <i>Optics Letters</i> , 2010 , 35, 2813-5	3	20
146	High aspect ratio taper-free microchannel fabrication using femtosecond Bessel beams. <i>Optics Express</i> , 2010 , 18, 566-74	3-3	109
145	Ultrafast Bessel beams for high aspect ratio taper free micromachining of glass 2010 ,		1
144	Non-linear spectral broadening across multiple bandgaps of all solid photonic crystal fibers 2010 ,		1
143	Rogue waves [towards a unifying concept?: Discussions and debates. <i>European Physical Journal: Special Topics</i> , 2010 , 185, 5-15	2-3	82
142	Extreme events in optics: Challenges of the MANUREVA project. <i>European Physical Journal: Special Topics</i> , 2010 , 185, 125-133	2-3	25
141	On the statistical interpretation of optical rogue waves. <i>European Physical Journal: Special Topics</i> , 2010 , 185, 135-144	2-3	49
140	Self-referencable frequency comb from a 170-fs, 1.5- μ m solid-state laser oscillator. <i>Applied Physics B: Lasers and Optics</i> , 2010 , 99, 401-408	1-9	42
139	Selection of Extreme Events Generated in Raman Fiber Amplifiers Through Spectral Offset Filtering. <i>IEEE Journal of Quantum Electronics</i> , 2010 , 46, 205-213	2	24
138	Collisions and turbulence in optical rogue wave formation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010 , 374, 989-996	2-3	82
137	Electro-optic delay oscillator with nonlocal nonlinearity: Optical phase dynamics, chaos, and synchronization. <i>Physical Review E</i> , 2009 , 80, 026207	2-4	64

136	Direct detection of optical rogue wave energy statistics in supercontinuum generation. <i>Electronics Letters</i> , 2009 , 45, 217	1.1	45
135	Modulation control and spectral shaping of optical fiber supercontinuum generation in the picosecond regime. <i>Applied Physics B: Lasers and Optics</i> , 2009 , 94, 187-194	1.9	89
134	Ten years of nonlinear optics in photonic crystal fibre. <i>Nature Photonics</i> , 2009 , 3, 85-90	33.9	274
133	Soliton and rogue wave statistics in supercontinuum generation in photonic crystal fibre with two zero dispersion wavelengths. <i>European Physical Journal: Special Topics</i> , 2009 , 173, 289-295	2.3	18
132	Rogue-wave-like characteristics in femtosecond supercontinuum generation. <i>Optics Letters</i> , 2009 , 34, 2468-70	3	108
131	Surface nanoprocessing with nondiffracting femtosecond Bessel beams. <i>Optics Letters</i> , 2009 , 34, 3163-53		69
130	Generation of Ultralow Jitter Optical Pulses Using Optoelectronic Oscillators With Time-Lens Soliton-Assisted Compression. <i>Journal of Lightwave Technology</i> , 2009 , 27, 5160-5167	4	64
129	Optical rogue wave statistics in laser filamentation. <i>Optics Express</i> , 2009 , 17, 12070-5	3.3	57
128	Modulation instability, Akhmediev Breathers and continuous wave supercontinuum generation. <i>Optics Express</i> , 2009 , 17, 21497-508	3.3	351
127	Spatiotemporal nonlinear optical self-similarity in three dimensions. <i>Physical Review Letters</i> , 2009 , 102, 233903	7.4	55
126	Optical Parabolic Pulse Generation and Applications. <i>IEEE Journal of Quantum Electronics</i> , 2009 , 45, 1482-1489		57
125	Route to Coherent Supercontinuum Generation in the Long Pulse Regime. <i>IEEE Journal of Quantum Electronics</i> , 2009 , 45, 1331-1335	2	36
124	Supercontinuum Generation From 1.35 to 1.7 μm by Nanosecond Pumping Near the Second Zero-Dispersion Wavelength of a Microstructured Fiber. <i>IEEE Photonics Technology Letters</i> , 2008 , 20, 842-844	2.2	15
123	Measurement of Ultrashort Electromagnetic Pulses. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008 , 25, MU1	1.7	1
122	Harnessing and control of optical rogue waves in supercontinuum generation. <i>Optics Express</i> , 2008 , 16, 3644-51	3.3	229
121	Harmonic extended supercontinuum generation and carrier envelope phase dependent spectral broadening in silica nanowires. <i>Optics Express</i> , 2008 , 16, 10886-93	3.3	11
120	Optical rogue-wave-like extreme value fluctuations in fiber Raman amplifiers. <i>Optics Express</i> , 2008 , 16, 16467-74	3.3	87
119	A dense array of small coupled waveguides in fiber technology: trefoil channels of microstructured optical fibers. <i>Optics Express</i> , 2008 , 16, 20648-55	3.3	4

118	Parabolic Pulse Amplifiers. <i>Fiber and Integrated Optics</i> , 2008 , 27, 505-515	0.8	2
117	Optical rogue wave dynamics in supercontinuum generation 2008 ,		1
116	Supercontinuum Generation in Photonic Crystal Fiber Fundamentals to Applications 2008 ,		1
115	Synchronisation and communication with regularly clocked optoelectronic discrete time chaos. <i>Electronics Letters</i> , 2008 , 44, 764	1.1	5
114	Time-of-flight range detection using low-frequency intensity modulation of a cw laser diode: application to fiber length measurement. <i>Optical Engineering</i> , 2008 , 47, 093602	1.1	3
113	Experimental chaotic map generated by picosecond laser pulse-seeded electro-optic nonlinear delay dynamics. <i>Chaos</i> , 2008 , 18, 013110	3.3	7
112	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	1.9	16
111	Self-similarity in ultrafast nonlinear optics. <i>Nature Physics</i> , 2007 , 3, 597-603	16.2	243
110	Soliton spectral tunnelling in photonic crystal fibre with sub-wavelength core defect. <i>Electronics Letters</i> , 2007 , 43, 967	1.1	42
109	Optimised one-step compression of femtosecond fibre laser soliton pulses around 1550 nm to below 30 fs in highly nonlinear fibre. <i>Electronics Letters</i> , 2007 , 43, 915	1.1	11
108	Fiber supercontinuum sources (Invited). <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007 , 24, 1771	1.7	210
107	Nonlinear envelope equation modeling of sub-cycle dynamics and harmonic generation in nonlinear waveguides. <i>Optics Express</i> , 2007 , 15, 5382-7	3.3	88
106	Alternate Multiwavelength Picosecond Pulse Generation by Use of an Unbalanced Mach-Zehnder Interferometer in a Mode-locked Fiber Ring Laser. <i>IEEE Journal of Quantum Electronics</i> , 2007 , 43, 85-96	2	2
105	Control and compression of extreme spectrally-broadened pulses in highly nonlinear fiber 2007 ,		2
104	Highly Coherent Supercontinuum Generation in Dispersion Increasing Fibers 2007 ,		1
103	Parabolic pulse generation in comb-like profiled dispersion decreasing fibre. <i>Electronics Letters</i> , 2006 , 42, 965	1.1	39
102	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	2.2	26
101	Bragg mirror inscription on LiNbO3 waveguides by index microstructuration. <i>Applied Optics</i> , 2006 , 45, 3553-60	1.7	8

100	Generation of dark solitons by interaction between similaritons in Raman fiber amplifiers. <i>Optical Fiber Technology</i> , 2006 , 12, 217-226	2.4	16
99	Supercontinuum generation in photonic crystal fiber. <i>Reviews of Modern Physics</i> , 2006 , 78, 1135-1184	40.5	2655
98	Chirp-controlled soliton fission in tapered optical fibers. <i>Applied Physics B: Lasers and Optics</i> , 2006 , 83, 37-42	1.9	13
97	Optical pulse generation using soliton-assisted time-lens compression. <i>Optics Express</i> , 2005 , 13, 1743-8	3.3	13
96	Intermediate asymptotic evolution and photonic bandgap fiber compression of optical similaritons around 1550 nm. <i>Optics Express</i> , 2005 , 13, 3236-41	3.3	57
95	Broad-band and ultrasensitive pulse characterization using frequency-resolved optical gating via four-wave mixing in a semiconductor optical amplifier. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 157-159	2.2	10
94	Numerical and theoretical analysis of an alternate multiwavelength mode-locked fiber laser. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 2295-2297	2.2	0
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