John Michael Dudley

List of Publications by Year
in descending order

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	Supercontinuum generation in photonic crystal fiber. Reviews of Modern Physics, 2006, 78, 1135-1184.	45.6	3,739
2	The Peregrine soliton in nonlinear fibre optics. Nature Physics, 2010, 6, 790-795.	16.7	1,166
3	Instabilities, breathers and rogue waves in optics. Nature Photonics, 2014, 8, 755-764.	31.4	739
4	Self-Similar Propagation and Amplification of Parabolic Pulses in Optical Fibers. Physical Review Letters, 2000, 84, 6010-6013.	7.8	729
5	Coherence properties of supercontinuum spectra generated in photonic crystal and tapered optical fibers. Optics Letters, 2002, 27, 1180.	3.3	469
6	Modulation instability, Akhmediev Breathers and continuous wave supercontinuum generation. Optics Express, 2009, 17, 21497.	3.4	456
7	Ten years of nonlinear optics in photonic crystal fibre. Nature Photonics, 2009, 3, 85-90.	31.4	370
8	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
9	Observation of Kuznetsov-Ma soliton dynamics in optical fibre. Scientific Reports, 2012, 2, 463.	3.3	345
10	Self-similarity in ultrafast nonlinear optics. Nature Physics, 2007, 3, 597-603.	16.7	336
11	Fundamental Noise Limitations to Supercontinuum Generation in Microstructure Fiber. Physical Review Letters, 2003, 90, 113904.	7.8	329
12	Harnessing and control of optical rogue waves in supercontinuum generation. Optics Express, 2008, 16, 3644.	3.4	302
13	High aspect ratio nanochannel machining using single shot femtosecond Bessel beams. Applied Physics Letters, 2010, 97, .	3.3	286
14	Real-time full-field characterization of transient dissipative soliton dynamics in a mode-locked laser. Nature Photonics, 2018, 12, 221-227.	31.4	286
15	Fiber supercontinuum sources (Invited). Journal of the Optical Society of America B: Optical Physics, 2007, 24, 1771.	2.1	265
16	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
17	Recent progress in investigating optical rogue waves. Journal of Optics (United Kingdom), 2013, 15, 060201.	2.2	252
18	Roadmap on optical rogue waves and extreme events. Journal of Optics (United Kingdom), 2016, 18, 063001.	2.2	225

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19	Ghost imaging in the time domain. Nature Photonics, 2016, 10, 167-170.	31.4	224
20	Self-similar propagation of high-power parabolic pulses in optical fiber amplifiers. Optics Letters, 2000, 25, 1753.	3.3	222
21	Arbitrary accelerating micron-scale caustic beams in two and three dimensions. Optics Express, 2011, 19, 16455.	3.4	219
22	Machine learning and applications in ultrafast photonics. Nature Photonics, 2021, 15, 91-101.	31.4	219
23	Rogue waves and analogies in optics and oceanography. Nature Reviews Physics, 2019, 1, 675-689.	26.6	215
24	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
25	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
26	Real world ocean rogue waves explained without the modulational instability. Scientific Reports, 2016, 6, 27715.	3.3	189
27	Higher-Order Modulation Instability in Nonlinear Fiber Optics. Physical Review Letters, 2011, 107, 253901.	7.8	182
28	Real-time measurements of spontaneous breathers and rogue wave events in optical fibre modulation instability. Nature Communications, 2016, 7, 13675.	12.8	175
29	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.	2.2	170
30	Cross-phase modulational instability in high-birefringence fibers. Optics Communications, 1990, 78, 137-142.	2.1	139
31	Optoelectronic chaos. Nature, 2010, 465, 41-42.	27.8	137
32	Real-time full bandwidth measurement of spectral noise in supercontinuum generation. Scientific Reports, 2012, 2, 882.	3.3	137
33	Experimental studies of the coherence of microstructure-fiber supercontinuum. Optics Express, 2003, 11, 2697.	3.4	136
34	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
35	Rogue-wave-like characteristics in femtosecond supercontinuum generation. Optics Letters, 2009, 34, 2468.	3.3	134
36	High aspect ratio taper-free microchannel fabrication using femtosecond Bessel beams. Optics Express, 2010, 18, 566.	3.4	134

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37	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
38	Optical rogue-wave-like extreme value fluctuations in fiber Raman amplifiers. Optics Express, 2008, 16, 16467.	3.4	125
39	Peregrine soliton generation and breakup in standard telecommunications fiber. Optics Letters, 2011, 36, 112.	3.3	121
40	Nonlinear envelope equation modeling of sub-cycle dynamics and harmonic generation in nonlinear waveguides. Optics Express, 2007, 15, 5382.	3.4	119
41	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
42	Experimental generation of parabolic pulses via Raman amplification in optical fiber. Optics Express, 2003, 11, 1547.	3.4	113
43	Cascaded Phase Matching and Nonlinear Symmetry Breaking in Fiber Frequency Combs. Physical Review Letters, 2012, 109, 223904.	7.8	113
44	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
45	Sending femtosecond pulses in circles: highly nonparaxial accelerating beams. Optics Letters, 2012, 37, 1736.	3.3	106
46	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
47	Rogue waves â€“ towards a unifying concept?: Discussions and debates. European Physical Journal: Special Topics, 2010, 185, 5-15.	2.6	100
48	Machine learning analysis of extreme events in optical fibre modulation instability. Nature Communications, 2018, 9, 4923.	12.8	97
49	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
50	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
51	Emergent rogue wave structures and statistics in spontaneous modulation instability. Scientific Reports, 2015, 5, 10380.	3.3	93
52	Spectral dynamics of modulation instability described using Akhmediev breather theory. Optics Letters, 2011, 36, 2140.	3.3	92
53	Predicting ultrafast nonlinear dynamics in fibre optics with a recurrent neural network. Nature Machine Intelligence, 2021, 3, 344-354.	16.0	92
54	Nonlinear optics of fibre event horizons. Nature Communications, 2014, 5, 4969.	12.8	91

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55	Optical Parabolic Pulse Generation and Applications. IEEE Journal of Quantum Electronics, 2009, 45, 1482-1489.	1.9	89
56	Applications of femtosecond Bessel beams to laser ablation. Applied Physics A: Materials Science and Processing, 2013, 112, 29-34.	2.3	88
57	Real time noise and wavelength correlations in octave-spanning supercontinuum generation. Optics Express, 2013, 21, 18452.	3.4	87
58	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
59	Surface nanoprocessing with nondiffracting femtosecond Bessel beams. Optics Letters, 2009, 34, 3163.	3.3	83
60	Phononic band-gap guidance of acoustic modes in photonic crystal fibers. Physical Review B, 2005, 71, .	3.2	80
61	Characteristics of a noncritically phasematched Ti: sapphire pumped femtosecond optical parametric oscillator. Optics Communications, 1994, 104, 419-430.	2.1	78
62	Rogue wave early warning through spectral measurements?. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 541-544.	2.1	78
63	Electro-optic delay oscillator with nonlocal nonlinearity: Optical phase dynamics, chaos, and synchronization. Physical Review E, 2009, 80, 026207.	2.1	77
64	Intermediate asymptotic evolution and photonic bandgap fiber compression of optical similaritons around 1550 nm. Optics Express, 2005, 13, 3236.	3.4	75
65	The nonlinear SchrÃ¶dinger 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
66	Transform-limited spectral compression by self-phase modulation of amplitude-shaped pulses with negative chirp. Optics Letters, 2011, 36, 707.	3.3	74
67	Compact broadband continuum source based on microchip laser pumped microstructured fibre. Electronics Letters, 2001, 37, 558.	1.0	72
68	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.	2.1	72
69	Tunable near-infrared femtosecond soliton generation in photonic crystal fibres. Electronics Letters, 2001, 37, 1510.	1.0	71
70	Single-shot ultrafast laser processing of high-aspect-ratio nanochannels using elliptical Bessel beams. Optics Letters, 2017, 42, 4307.	3.3	71
71	Optical rogue wave statistics in laser filamentation. Optics Express, 2009, 17, 12070.	3.4	69
72	Optical rogue waves in whispering-gallery-mode resonators. Physical Review A, 2014, 89, .	2.5	68

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73	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
74	Ultrabroadband coherent supercontinuum frequency comb. Physical Review A, 2011, 84, .	2.5	64
75	Hydrodynamics of periodic breathers. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20140005.	3.4	63
76	Tubular filamentation for laser material processing. Scientific Reports, 2015, 5, 8914.	3.3	63
77	Nonlinear pulse propagation and supercontinuum generation in photonic nanowires: experiment and simulation. Applied Physics B: Lasers and Optics, 2005, 81, 363-367.	2.2	62
78	Self-referenceable frequency comb from a gigahertz diode-pumped solid-state laser. Optics Express, 2011, 19, 16491.	3.4	62
79	On the statistical interpretation of optical rogue waves. European Physical Journal: Special Topics, 2010, 185, 135-144.	2.6	61
80	Asymptotic characteristics of parabolic similariton pulses in optical fiber amplifiers. Optics Letters, 2004, 29, 2533.	3.3	60
81	Spatiotemporal Nonlinear Optical Self-Similarity in Three Dimensions. Physical Review Letters, 2009, 102, 233903.	7.8	58
82	Hydrodynamic Supercontinuum. Physical Review Letters, 2013, 111, 054104.	7.8	57
83	Supercontinuum light. Physics Today, 2013, 66, 29-34.	0.3	57
84	Suspended core tellurite glass optical fibers for infrared supercontinuum generation. Optical Materials, 2011, 33, 1661-1666.	3.6	56
85	2â€“10ÂÂµm Midâ€Infrared Fiberâ€Based Supercontinuum Laser Source: Experiment and Simulation. Laser and Photonics Reviews, 2020, 14, 2000011.	8.7	56
86	Giant dispersive wave generation through soliton collision. Optics Letters, 2010, 35, 658.	3.3	55
87	Parabolic pulse generation in comb-like profiled dispersion decreasing fibre. Electronics Letters, 2006, 42, 965.	1.0	54
88	Self-referencable frequency comb from a 170-fs, 1.5-Î¼m solid-state laser oscillator. Applied Physics B: Lasers and Optics, 2010, 99, 401-408.	2.2	53
89	Universal nonlinear scattering in ultra-high Q whispering gallery-mode resonators. Optics Express, 2016, 24, 14880.	3.4	53
90	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

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91	Solitary pulse propagation in high gain optical fiber amplifiers with normal group velocity dispersion. Optics Communications, 2002, 206, 171-177.	2.1	52
92	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
93	Direct detection of optical rogue wave energy statistics in supercontinuum generation. Electronics Letters, 2009, 45, 217.	1.0	52
94	Complete characterization of ultrashort pulse sources at 1550 nm. IEEE Journal of Quantum Electronics, 1999, 35, 441-450.	1.9	51
95	Extreme wave events in Ireland: 14 680 BPâ€“2012. Natural Hazards and Earth System Sciences, 2013, 13, 625-648.	3.6	50
96	High aspect ratio micro-explosions in the bulk of sapphire generated by femtosecond Bessel beams. Scientific Reports, 2016, 6, 34286.	3.3	50
97	Soliton spectral tunnelling in photonic crystal fibre with sub-wavelength core defect. Electronics Letters, 2007, 43, 967.	1.0	49
98	Nearly quantum-limited timing jitter in a self-mode-locked Ti:sapphire laser. Optics Letters, 1994, 19, 481.	3.3	48
99	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
100	Femtosecond laser fabrication of micro and nano-disks in single layer graphene using vortex Bessel beams. Applied Physics Letters, 2013, 103, .	3.3	47
101	Far-detuned mid-infrared frequency conversion via normal dispersion modulation instability in chalcogenide microwires. Optics Letters, 2014, 39, 1885.	3.3	47
102	Caustics and Rogue Waves in an Optical Sea. Scientific Reports, 2015, 5, 12822.	3.3	46
103	Universal triangular spectra in parametrically-driven systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 775-779.	2.1	45
104	Arbitrary nonparaxial accelerating periodic beams and spherical shaping of light. Optics Letters, 2013, 38, 2218.	3.3	45
105	Real-time characterization of spectral instabilities in a mode-locked fibre laser exhibiting soliton-similariton dynamics. Scientific Reports, 2019, 9, 13950.	3.3	45
106	Experimental Generation of Riemann Waves in Optics: A Route to Shock Wave Control. Physical Review Letters, 2016, 117, 073902.	7.8	44
107	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
108	Complete pulse characterization at 15 Âµm by cross-phase modulation in optical fibers. Optics Letters, 1998, 23, 1582.	3.3	41

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109	Route to Coherent Supercontinuum Generation in the Long Pulse Regime. IEEE Journal of Quantum Electronics, 2009, 45, 1331-1335.	1.9	40
110	Fractal optics and beyond. Nature Photonics, 2012, 6, 209-210.	31.4	40
111	Milliwatt-peak-power pulse characterization at 155 Âµm by wavelength-conversion frequency-resolved optical gating. Optics Letters, 2002, 27, 863.	3.3	37
112	Extreme wave runup on a vertical cliff. Geophysical Research Letters, 2013, 40, 3138-3143.	4.0	37
113	Autocorrelation of ultrashort pulses at 1.5 [micro sign]m based on nonlinear response of silicon photodiodes. Electronics Letters, 1996, 32, 1922.	1.0	36
114	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.	1.0	36
115	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
116	Nonlinear Bessel vortex beams for applications. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 094006.	1.5	36
117	Supercontinuum spectral-domain ghost imaging. Optics Letters, 2018, 43, 5025.	3.3	36
118	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
119	On Hokusai's Great wave off Kanagawa : localization, linearity and a rogue wave in sub-Antarctic waters. Notes and Records of the Royal Society, 2013, 67, 159-164.	0.3	35
120	Incoherent resonant seeding of modulation instability in optical fiber. Optics Letters, 2013, 38, 5338.	3.3	35
121	Filamentation with nonlinear Bessel vortices. Optics Express, 2014, 22, 25410.	3.4	35
122	Phase evolution of Peregrine-like breathers in optics and hydrodynamics. Physical Review E, 2019, 99, 012207.	2.1	35
123	Supercontinuum generation by intermodal four-wave mixing in a step-index few-mode fibre. APL Photonics, 2019, 4, .	5.7	35
124	Experimental signatures of dispersive waves emitted during soliton collisions. Optics Express, 2010, 18, 13379.	3.4	34
125	Laser micro- and nanostructuring using femtosecond Bessel beams. European Physical Journal: Special Topics, 2011, 199, 101-110.	2.6	33
126	On the phase-dependent manifestation of optical rogue waves. Nonlinearity, 2012, 25, R73-R83.	1.4	33

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127	Describing supercontinuum noise and rogue wave statistics using higher-order moments. Optics Communications, 2012, 285, 2451-2455.	2.1	32
128	Magnified time-domain ghost imaging. APL Photonics, 2017, 2, 046102.	5.7	32
129	Submicron-quality cleaving of glass with elliptical ultrafast Bessel beams. Applied Physics Letters, 2017, 111, .	3.3	32
130	Intracavity incoherent supercontinuum dynamics and rogue waves in a broadband dissipative soliton laser. Nature Communications, 2021, 12, 5567.	12.8	32
131	Coherent effects in a self-mode-locked Ti:sapphire laser. Optics Letters, 1994, 19, 972.	3.3	30
132	Extinction-ratio-independent method for chirp measurements of Mach-Zehnder modulators. Optics Express, 2004, 12, 442.	3.4	30
133	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
134	Chalcogenide-glass polarization-maintaining photonic crystal fiber for mid-infrared supercontinuum generation. JPhys Photonics, 2019, 1, 044003.	4.6	30
135	Soliton formation in a femtosecond optical parametric oscillator. Optics Letters, 1994, 19, 825.	3.3	29
136	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.	2.5	29
137	Extreme events in optics: Challenges of the MANUREVA project. European Physical Journal: Special Topics, 2010, 185, 125-133.	2.6	29
138	Ultra-flat, low-noise, and linearly polarized fiber supercontinuum source covering 670â€“1390â€‰â€‰nm. Optics Letters, 2021, 46, 1820.	3.3	29
139	Temporal ghost imaging using wavelength conversion and two-color detection. Optica, 2019, 6, 902.	9.3	29
140	Characterization of 1.55-Î¼m 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
141	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
142	Toward a self-driving ultrafast fiber laser. Light: Science and Applications, 2020, 9, 26.	16.6	28
143	Polarization mode dispersion and vectorial modulational instability in airâ€“silica microstructure fiber. Optics Letters, 2002, 27, 695.	3.3	27
144	Ultra-sensitive all-optical sampling at 1.5 [micro sign]m using waveguide two-photon absorption. Electronics Letters, 1999, 35, 1483.	1.0	26

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145	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
146	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
147	Generation and characterization of 06-THz polarization domain-wall trains in an ultralow-birefringence spun fiber. Optics Letters, 1999, 24, 1389.	3.3	25
148	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
149	Experimental dynamics of Akhmediev breathers in a dispersion varying optical fiber. Optics Letters, 2014, 39, 4490.	3.3	25
150	Instabilities in a dissipative soliton-similariton laser using a scalar iterative map. Optics Letters, 2020, 45, 1232.	3.3	25
151	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
152	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
153	Limitations of the linear Raman gain approximation in modeling broadband nonlinear propagation in optical fibers. Optics Express, 2010, 18, 25449.	3.4	23
154	Nonlinear fibre optics overview. , 2010, , 32-51.		23
155	Ultrahigh speed all-optical demultiplexing based on two-photon absorption in a laser diode. Electronics Letters, 1998, 34, 1871.	1.0	22
156	Optical pulse generation using soliton-assisted time-lens compression. Optics Express, 2005, 13, 1743.	3.4	21
157	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.	2.5	21
158	Machine learning analysis of rogue solitons in supercontinuum generation. Scientific Reports, 2020, 10, 9596.	3.3	21
159	Two octave supercontinuum generation in a non-silica graded-index multimode fiber. Nature Communications, 2022, 13, 2126.	12.8	21
160	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
161	Simultaneous measurement of optical fibre nonlinearity and dispersion using frequency resolved optical gating. Electronics Letters, 1997, 33, 707.	1.0	20
162	Sonogram characterisation of picosecond pulses at 1.5 [micro sign]m using waveguide two photon absorption. Electronics Letters, 2000, 36, 1141.	1.0	20

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163	Effects of structural irregularities on modulational instability phase matching in photonic crystal fibers. Optics Letters, 2004, 29, 1903.	3.3	20
164	Nonlinear spectral broadening of femtosecond pulses in solid-core photonic bandgap fibers. Optics Letters, 2010, 35, 2813.	3.3	20
165	Emergence of coherent wave groups in deep-water random sea. Physical Review E, 2013, 87, 063001.	2.1	20
166	Direct machining of curved trenches in silicon with femtosecond accelerating beams. Journal of the European Optical Society-Rapid Publications, 0, 8, .	1.9	20
167	Modelling self-similar parabolic pulses in optical fibres with a neural network. Results in Optics, 2021, 3, 100066.	2.0	20
168	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
169	Characterizing Pulse Propagation in Optical Fibers around 1550 nm Using Frequency-Resolved Optical Gating. Optical Fiber Technology, 1998, 4, 237-265.	2.7	18
170	Generation of dark solitons by interaction between similaritons in Raman fiber amplifiers. Optical Fiber Technology, 2006, 12, 217-226.	2.7	18
171	Random walks and random numbers from supercontinuum generation. Optics Express, 2012, 20, 11143.	3.4	17
172	Feed-forward neural network as nonlinear dynamics integrator for supercontinuum generation. Optics Letters, 2022, 47, 802.	3.3	17
173	Time diffraction-free transverse orbital angular momentum beams. Nature Communications, 2022, 13, .	12.8	17
174	Chirp-controlled soliton fission in tapered optical fibers. Applied Physics B: Lasers and Optics, 2006, 83, 37-42.	2.2	16
175	Accelerating Beyond the Horizon. Optics and Photonics News, 2012, 23, 26.	0.5	16
176	Dispersive Fourier transform characterization of multipulse dissipative soliton complexes in a mode-locked soliton-similariton laser. OSA Continuum, 2020, 3, 275.	1.8	16
177	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
178	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
179	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
180	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

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181	Nonlinear spectral shaping and optical rogue events in fiber-based systems. Optical Fiber Technology, 2012, 18, 248-256.	2.7	14
182	Cross-phase modulation instability in PM ANDi fiber-based supercontinuum generation. Optics Letters, 2020, 45, 3545.	3.3	14
183	Harmonic extended supercontinuum generation and carrier envelope phase dependent spectral broadening in silica nanowires. Optics Express, 2008, 16, 10886.	3.4	13
184	Deviation from threshold model in ultrafast laser ablation of graphene at sub-micron scale. Applied Physics Letters, 2015, 107, .	3.3	13
185	Akhmediev breather signatures from dispersive propagation of a periodically phase-modulated continuous wave. Wave Motion, 2020, 95, 102545.	2.0	13
186	Ghost optical coherence tomography. Optics Express, 2019, 27, 24114.	3.4	13
187	Complete intensity and phase characterisation of optical pulse trains at terahertz repetition rates. Electronics Letters, 1999, 35, 2042.	1.0	12
188	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
189	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
190	Recent advances on time-stretch dispersive Fourier transform and its applications. Advances in Physics: X, 2022, 7, .	4.1	12
191	Ikeda-like chaos on a dynamically filtered supercontinuum light source. Physical Review A, 2016, 94, .	2.5	11
192	Controlling nonlinear instabilities in Bessel beams through longitudinal intensity shaping. Optics Letters, 2017, 42, 3785.	3.3	11
193	Idealized four-wave mixing dynamics in a nonlinear SchrÃ¶dinger equation fiber system. Optica, 2022, 9, 656.	9.3	11
194	High Energy Photoproton Production by 322-Mev Bremsstrahlung. Physical Review, 1953, 89, 603-605.	2.7	10
195	Phase Waves in Mode-Locked Superfluorescent Lasers. Physical Review Letters, 1997, 78, 836-839.	7.8	10
196	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
197	Vitamin K prophylaxis in high-dose chemotherapy. Lancet, The, 1995, 345, 1245.	13.7	9
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