

John Canning

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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.

300
papers

5,019
citations

36
h-index

56
g-index

445
ext. papers

6,252
ext. citations

2.9
avg, IF

5.78
L-index

#	Paper	IF	Citations
300	Fibre gratings and devices for sensors and lasers. <i>Laser and Photonics Reviews</i> , 2008 , 2, 275-289	8.3	165
299	Ephase-shifted periodic distributed structures in optical fibres by UV post-processing. <i>Electronics Letters</i> , 1994 , 30, 1344-1345	1.1	165
298	Ultrahigh-temperature regenerated gratings in boron-codoped germanosilicate optical fiber using 193 nm. <i>Optics Letters</i> , 2008 , 33, 1917-9	3	151
297	Extreme Silica Optical Fibre Gratings. <i>Sensors</i> , 2008 , 8, 6448-6452	3.8	134
296	Bragg gratings in air-silica structured fibers. <i>Optics Letters</i> , 2003 , 28, 233-5	3	116
295	Ultrafast nanoporous silica formation driven by femtosecond laser irradiation. <i>Laser and Photonics Reviews</i> , 2013 , 7, 953-962	8.3	107
294	Temperature independent highly birefringent photonic crystal fibre. <i>Optics Express</i> , 2004 , 12, 5160-5	3.3	89
293	Ultrafast femtosecond-laser-induced fiber Bragg gratings in air-hole microstructured fibers for high-temperature pressure sensing. <i>Optics Letters</i> , 2010 , 35, 1443-5	3	87
292	A microwave channelizer and spectroscope based on an integrated optical Bragg-grating Fabry-Perot and integrated hybrid Fresnel lens system. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2006 , 54, 868-872	4.1	83
291	Air-structured optical fiber drawn from a 3D-printed preform. <i>Optics Letters</i> , 2015 , 40, 3966-9	3	80
290	Combined "dual" absorption and fluorescence smartphone spectrometers. <i>Optics Letters</i> , 2015 , 40, 1737-40	7.5	75
289	Lab-in-a-Phone: Smartphone-Based Portable Fluorometer for pH Measurements of Environmental Water. <i>IEEE Sensors Journal</i> , 2015 , 15, 5095-5102	4	71
288	Anatomy of a femtosecond laser processed silica waveguide [Invited]. <i>Optical Materials Express</i> , 2011 , 1, 998	2.6	70
287	Liquid filling of photonic crystal fibres for grating writing. <i>Optics Communications</i> , 2007 , 270, 207-210	2	70
286	Micromachining structured optical fibers using focused ion beam milling. <i>Optics Letters</i> , 2007 , 32, 1575-7	3	69
285	Enhanced type IIA gratings for high-temperature operation. <i>Optics Letters</i> , 2004 , 29, 2360-2	3	68
284	Bismuth and erbium codoped optical fiber with ultrabroadband luminescence across O-, E-, S-, C-, and L-bands. <i>Optics Letters</i> , 2012 , 37, 3447-9	3	66

283	Optical fiber smartphone spectrometer. <i>Optics Letters</i> , 2016 , 41, 2237-40	3	66
282	Water-core Fresnel fiber. <i>Optics Express</i> , 2005 , 13, 3890-5	3.3	65
281	Strain and temperature characterization of photonic crystal fiber Bragg gratings. <i>Optics Letters</i> , 2005 , 30, 1785-7	3	62
280	A study of regenerated gratings produced in germanosilicate fibers by high temperature annealing. <i>Optics Express</i> , 2011 , 19, 1198-206	3.3	59
279	Fibre lasers and related technologies. <i>Optics and Lasers in Engineering</i> , 2006 , 44, 647-676	4.6	59
278	Annealing properties of gratings written into UV-presensitized hydrogen-outdiffused optical fiber. <i>Optics Letters</i> , 2000 , 25, 692-4	3	54
277	Optical loss mechanisms in femtosecond laser-written point-by-point fibre Bragg gratings. <i>Optics Express</i> , 2008 , 16, 14248-54	3.3	53
276	Photosensitization and Photostabilization of Laser-Induced Index Changes in Optical Fibers. <i>Optical Fiber Technology</i> , 2000 , 6, 275-289	2.4	53
275	Sensitivity enhancement of fiber Bragg gratings to transverse stress by using microstructural fibers. <i>Optics Letters</i> , 2006 , 31, 2260-2	3	49
274	Modal interferometer for in situ measurements of induced core index change in optical fibers. <i>Optics Letters</i> , 1997 , 22, 561-3	3	48
273	Room temperature self-assembly of mixed nanoparticles into photonic structures. <i>Nature Communications</i> , 2012 , 3, 1188	17.4	45
272	Regenerated gratings. <i>Journal of the European Optical Society-Rapid Publications</i> , 2009 , 4,	2.5	45
271	Fabrication of long-period fiber gratings by use of focused ion-beam irradiation. <i>Optics Letters</i> , 2001 , 26, 765-7	3	45
270	Step-index optical fiber drawn from 3D printed preforms. <i>Optics Letters</i> , 2016 , 41, 4554-4557	3	43
269	Regenerated gratings in air-hole microstructured fibers for high-temperature pressure sensing. <i>Optics Letters</i> , 2011 , 36, 3542-4	3	41
268	Vibration mode analysis of a silica horn fiber Bragg grating device. <i>Optics Communications</i> , 2010 , 283, 1296-1302	2	41
267	Intermodal interference in a photonic crystal fibre. <i>Optics Express</i> , 2004 , 12, 3465-70	3.3	41
266	Fibre gratings for high temperature sensor applications. <i>Measurement Science and Technology</i> , 2001 , 12, 824-828	2	40

265	Transient and permanent gratings in phosphosilicate optical fibers produced by the flash condensation technique. <i>Optics Letters</i> , 1995 , 20, 2189	3	37
264	Thermal regenerated type IIa fiber Bragg gratings for ultra-high temperature operation. <i>Optics Communications</i> , 2011 , 284, 183-185	2	36
263	Regeneration, regenerated gratings and composite glass properties: the implications for high temperature micro and nano milling and optical sensing. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016 , 79, 236-249	4.6	34
262	Propagation in air by field superposition of scattered light within a Fresnel fiber. <i>Optics Letters</i> , 2003 , 28, 230-2	3	34
261	Locking in photosensitivity within optical fiber and planar waveguides by ultraviolet preexposure. <i>Optics Letters</i> , 1999 , 24, 1826-8	3	34
260	Drawing optical fibers from three-dimensional printers. <i>Optics Letters</i> , 2016 , 41, 5551-5554	3	34
259	Permanent and transient resonances thermally induced in optical fibre Bragg gratings. <i>Electronics Letters</i> , 1995 , 31, 1007-1009	1.1	33
258	Regeneration and helium: regenerating Bragg gratings in helium-loaded germanosilicate optical fibre. <i>Optical Materials Express</i> , 2012 , 2, 1733	2.6	32
257	Spun elliptically birefringent photonic crystal fibre. <i>Optics Express</i> , 2007 , 15, 1811-6	3.3	32
256	Temperature and strain characterization of regenerated gratings. <i>Optics Letters</i> , 2013 , 38, 247-9	3	31
255	Diffraction-free mode generation and propagation in optical waveguides. <i>Optics Communications</i> , 2002 , 207, 35-39	2	30
254	Post-hydrogen-loaded draw tower fiber Bragg gratings and their thermal regeneration. <i>Applied Optics</i> , 2011 , 50, 2519-22	0.2	29
253	Cleaving of Extremely Porous Polymer Fibers. <i>IEEE Photonics Journal</i> , 2009 , 1, 286-292	1.8	29
252	Control of the wavelength dependent thermo-optic coefficients in structured fibres. <i>Optics Express</i> , 2006 , 14, 6428-33	3.3	28
251	Silica optical fiber drawn from 3D printed preforms. <i>Optics Letters</i> , 2019 , 44, 5358-5361	3	28
250	Toward an ultra-broadband emission source based on the bismuth and erbium co-doped optical fiber and a single 830nm laser diode pump. <i>Optics Express</i> , 2013 , 21, 7786-92	3.3	27
249	Regenerated distributed Bragg reflector fiber lasers for high-temperature operation. <i>Optics Letters</i> , 2013 , 38, 2490-2	3	26
248	Performance Enhancement of Vibration Sensing Employing Multiple Phase-Shifted Fiber Bragg Grating. <i>Journal of Lightwave Technology</i> , 2011 , 29, 3453-3460	4	26

247	Thermal stabilization of Type I fiber Bragg gratings for operation up to 600 degrees C. <i>Optics Letters</i> , 2010 , 35, 586-8	3	26
246	All-fibre photonic crystal distributed Bragg reflector (PC-DBR) fibre laser. <i>Optics Express</i> , 2003 , 11, 1995-2000	3.3	26
245	Early warning smartphone diagnostics for water security and analysis using real-time pH mapping. <i>Photonic Sensors</i> , 2015 , 5, 289-297	2.3	25
244	Exposure and characterization of nano-structured hole arrays in tapered photonic crystal fibers using a combined FIB/SEM technique. <i>Optics Express</i> , 2005 , 13, 9023-8	3.3	25
243	Viscosity of silica optical fibres characterized using regenerated gratings. <i>Acta Materialia</i> , 2013 , 61, 6071-6081	16.4	24
242	Measurement of fluorescence in a rhodamine-123 doped self-assembled "giant" mesostructured silica sphere using a smartphone as optical hardware. <i>Sensors</i> , 2011 , 11, 7055-62	3.8	24
241	Evanescent-field spectroscopy using structured optical fibers: detection of charge-transfer at the porphyrin-silica interface. <i>Journal of the American Chemical Society</i> , 2009 , 131, 2925-33	16.4	24
240	Ultraviolet-induced absorption losses in hydrogen-loaded optical fibers and in presensitized optical fibers. <i>Optics Letters</i> , 2000 , 25, 1621-3	3	24
239	Percolation Diffusion into Self-Assembled Mesoporous Silica Microfibres. <i>Nanomaterials</i> , 2014 , 4, 157-174	3.4	22
238	Spectral properties and role of aluminium-related bismuth active centre (BAC-Al) in bismuth and erbium co-doped fibres. <i>Optical Materials Express</i> , 2015 , 5, 1195	2.6	21
237	White light sources based on multiple precision selective micro-filling of structured optical waveguides. <i>Optics Express</i> , 2008 , 16, 15700-8	3.3	21
236	Distributed feedback photonic crystal fibre (DFB-PCF) laser. <i>Optics Express</i> , 2005 , 13, 2924-30	3.3	21
235	Toward optical fibre fabrication using 3D printing technology. <i>Optical Fiber Technology</i> , 2020 , 58, 102299	2.4	20
234	Improving broadband emission within Bi/Er doped silicate fibres with Yb co-doping. <i>Optical Materials Express</i> , 2015 , 5, 2096	2.6	20
233	Smartphone laser beam spatial profiler. <i>Optics Letters</i> , 2015 , 40, 5156-9	3	20
232	A fractal-based fibre for ultra-high throughput optical probes. <i>Optics Express</i> , 2007 , 15, 2468-75	3.3	20
231	Water-soluble porphyrin detection in a pure-silica photonic crystal fiber. <i>Optics Letters</i> , 2006 , 31, 2100-23	3	20
230	Wavelength dependent leakage in a Fresnel-based air silica structured optical fibre. <i>Optics Communications</i> , 2002 , 205, 95-99	2	20

229	Time-resolved and temperature tuneable measurements of fluorescent intensity using a smartphone fluorimeter. <i>Analyst, The</i> , 2017 , 142, 1953-1961	5	19
228	Gratings in Structured Optical Fibres. <i>Laser Chemistry</i> , 2008 , 2008, 1-19		19
227	Using multi-microchannel capillaries for determination of the zeta potential of a microfluidic channel. <i>Electrochimica Acta</i> , 2004 , 49, 3581-3586	6.7	19
226	. <i>Journal of Lightwave Technology</i> , 2002 , 20, 1585-1589	4	19
225	Incoherent scattering losses in optical fiber Bragg gratings. <i>Optics Letters</i> , 1996 , 21, 1827-9	3	19
224	Refractive Index Measurement within a Photonic Crystal Fibre Based on Short Wavelength Diffraction. <i>Sensors</i> , 2007 , 7, 2492-2498	3.8	18
223	Dynamic analysis and temperature measurements of concrete cantilever beam using fibre Bragg gratings. <i>Optics and Lasers in Engineering</i> , 2007 , 45, 88-92	4.6	18
222	Antisymmetric grating coupler: experimental results. <i>Applied Optics</i> , 2003 , 42, 6578-83	1.7	18
221	Birefringence control in planar waveguides using doped top layers. <i>Optics Communications</i> , 2001 , 191, 225-228	2	18
220	Birefringence control in plasma-enhanced chemical vapor deposition planar waveguides by ultraviolet irradiation. <i>Applied Optics</i> , 2000 , 39, 4296-9	1.7	18
219	Retaining and characterising nano-structure within tapered air-silica structured optical fibers. <i>Optics Express</i> , 2003 , 11, 98-104	3.3	17
218	Complex photosensitivity observed in germanosilica planar waveguides. <i>Optics Letters</i> , 1998 , 23, 697-9	3	17
217	Development of a lateral flow test for rapid pyrethroid detection using antibody-gated indicator-releasing hybrid materials. <i>Analyst, The</i> , 2020 , 145, 3490-3494	5	16
216	Water on Au sputtered films. <i>Chemical Communications</i> , 2014 , 50, 9172-5	5.8	16
215	Mapping the thermal distribution within a silica preform tube using regenerated fibre Bragg gratings. <i>International Journal of Heat and Mass Transfer</i> , 2012 , 55, 3288-3294	4.9	16
214	Bend loss in structured optical fibres. <i>Optics Express</i> , 2007 , 15, 17639-44	3.3	16
213	UV laser cleaving of air/polymer structured fibre. <i>Optics Communications</i> , 2002 , 202, 139-143	2	16
212	Multiple source generation using air-structured optical waveguides for optical field shaping and transformation within and beyond the waveguide. <i>Optics Express</i> , 2003 , 11, 347-58	3.3	16

211	Advances and new applications using the acousto-optic effect in optical fibers. <i>Photonic Sensors</i> , 2013 , 3, 1-25	2.3	15
210	Regenerated Fibre Bragg Gratings 2010 ,		15
209	Properties of Specialist Fibres and Bragg Gratings for Optical Fiber Sensors. <i>Journal of Sensors</i> , 2009 , 2009, 1-17	2	15
208	Complex Bragg grating writing using direct modulation of the optical fiber with flexural waves. <i>Applied Physics Letters</i> , 2011 , 99, 161111	3.4	15
207	Regenerated femtosecond fibre Bragg gratings 2012 ,		15
206	Writing and visualization of low-threshold type II Bragg gratings in stressed optical fibers. <i>Applied Optics</i> , 1995 , 34, 7689-94	1.7	15
205	Spatial distribution of 650-nm luminescence in UV-processed germanosilicate preforms. <i>Optics Letters</i> , 1994 , 19, 1119-21	3	15
204	Overview of high temperature fibre Bragg gratings and potential improvement using highly doped aluminosilicate glass optical fibres. <i>JPhys Photonics</i> , 2019 , 1, 042001	2.5	14
203	Regeneration of fiber Bragg gratings under strain. <i>Applied Optics</i> , 2013 , 52, 2080-5	1.7	14
202	Dynamic control of a phase-shifted FBG through acousto-optic modulation. <i>Optics Communications</i> , 2011 , 284, 1228-1231	2	14
201	Compact dip-style viscometer based on the acousto-optic effect in a long period fiber grating. <i>Sensors and Actuators B: Chemical</i> , 2011 , 157, 621-626	8.5	14
200	Bulk regeneration of optical fiber Bragg gratings. <i>Applied Optics</i> , 2012 , 51, 7165-9	1.7	14
199	Extraction and processing of real time strain of embedded FBG sensors using a fixed filter FBG circuit and an artificial neural network. <i>Measurement: Journal of the International Measurement Confederation</i> , 2013 , 46, 4045-4051	4.6	13
198	Induction Brazing of Type-I Fiber Bragg Gratings Into Kovar Ferrules Exploiting Curie Transition. <i>IEEE Sensors Journal</i> , 2013 , 13, 816-823	4	13
197	Laser tailoring surface interactions, contact angles, drop topologies and the self-assembly of optical microwires. <i>Optical Materials Express</i> , 2013 , 3, 284	2.6	13
196	. <i>Journal of Lightwave Technology</i> , 2010 , 28, 2667-2673	4	13
195	Air-clad fibre laser with internal Bragg grating. <i>Electronics Letters</i> , 2005 , 41, 1103	1.1	13
194	Ultraviolet-induced birefringence in hydrogen-loaded optical fiber. <i>Journal of Applied Physics</i> , 2005 , 97, 053104	2.5	13

193	Low-temperature hypersensitization of phosphosilicate waveguides in hydrogen. <i>Optics Letters</i> , 2001 , 26, 1230-2	3	13
192	Negative index gratings in germanosilicate planar waveguides. <i>Electronics Letters</i> , 1998 , 34, 366	1.1	13
191	Apodized Distributed-Feedback Fiber Laser. <i>Optical Fiber Technology</i> , 1999 , 5, 209-214	2.4	13
190	Compact Birefringent Waveplates Photo-Induced in Silica by Femtosecond Laser. <i>Micromachines</i> , 2014 , 5, 825-838	3.3	12
189	Large area optical mapping of surface contact angle. <i>Optics Express</i> , 2017 , 25, 21127-21144	3.3	12
188	A comparison of delayed self-heterodyne interference measurement of laser linewidth using Mach-Zehnder and Michelson interferometers. <i>Sensors</i> , 2011 , 11, 9233-41	3.8	12
187	Manipulating and controlling the evanescent field within optical waveguides using high index nanolayers. <i>Optical Materials Express</i> , 2011 , 1, 192	2.6	12
186	Evaluation of optical fiber microcell reactor for use in remote acid sensing. <i>Optics Letters</i> , 2010 , 35, 817-9		12
185	Time-resolved plasma measurements in Ge-doped silica exposed to infrared femtosecond laser. <i>Physical Review B</i> , 2011 , 84,	3.3	12
184	Spun elliptically birefringent photonic crystal fibre for current sensing. <i>Measurement Science and Technology</i> , 2007 , 18, 3070-3074	2	12
183	UV lamp hypersensitisation of hydrogen-loaded optical fibres. <i>Optics Express</i> , 2003 , 11, 1585-9	3.3	12
182	Silica-based fibre Fresnel lens. <i>Optics Communications</i> , 2001 , 199, 375-381	2	12
181	Correlation of ultraviolet-induced stress changes and negative index growth in type IIa germanosilicate waveguide gratings. <i>Optics Letters</i> , 1999 , 24, 463-5	3	12
180	Highly ordered mesoporous silica microfibres produced by evaporative self-assembly and fracturing. <i>Optical Materials Express</i> , 2013 , 3, 2028	2.6	11
179	Control of the long period grating spectrum through low frequency flexural acoustic waves. <i>Measurement Science and Technology</i> , 2011 , 22, 045205	2	11
178	Correlation between photodarkening and index change during 193 nm irradiation of germanosilicate and phosphosilicate fibers. <i>Journal of Lightwave Technology</i> , 1997 , 15, 1348-1356	4	11
177	Fresnel Fibres with Omnidirectional Zone Cross-sections. <i>Optics Express</i> , 2007 , 15, 4281-6	3.3	11
176	Heat transfer within a microstructured polymer optical fibre preform. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2004 , 12, S255-S265	2	11

175	The characteristic curve and site-selective laser excitation of local relaxation in glass. <i>Journal of Chemical Physics</i> , 2004 , 120, 9715-9	3.9	11
174	Transient gratings in rare-earth-doped phosphosilicate optical fibres through periodic population inversion. <i>Electronics Letters</i> , 1995 , 31, 576-577	1.1	11
173	Fluorescence-Based Determination of Olive Oil Quality Using an Endoscopic Smart Mobile Spectrofluorimeter. <i>IEEE Sensors Journal</i> , 2020 , 20, 4156-4163	4	11
172	Enhanced broadband near-IR luminescence and gain spectra of bismuth/erbium co-doped fiber by 830 and 980 nm dual pumping. <i>AIP Advances</i> , 2017 , 7, 045012	1.5	10
171	A simultaneous strain and temperature sensing module based on FBG-in-SMS. <i>Measurement Science and Technology</i> , 2014 , 25, 055205	2	10
170	Air-clad fibres for astronomical instrumentation: focal-ratio degradation. <i>Experimental Astronomy</i> , 2009 , 24, 1-7	1.3	10
169	Femtosecond laser direct processing in wet and dry silica glass. <i>Journal of Non-Crystalline Solids</i> , 2009 , 355, 1057-1061	3.9	10
168	Characterization of apodized fiber Bragg gratings for rejection filter applications. <i>Applied Optics</i> , 1997 , 36, 9378-82	1.7	10
167	Thermal hypersensitisation and grating evolution in Ge-doped optical fibre. <i>Optics Express</i> , 2005 , 13, 2276-81	3.3	10
166	Diffraction in air-clad fibres. <i>Optics Express</i> , 2005 , 13, 5227-33	3.3	10
165	The influence of skew rays on angular losses in air-clad fibres. <i>Optics Communications</i> , 2006 , 262, 77-81	2	10
164	Complex mode coupling within air/silica structured optical fibres and applications. <i>Optics Communications</i> , 2000 , 185, 321-324	2	10
163	2020 , 4, 1-4		10
162	Polarization mode coupling and related effects in fiber Bragg grating inscribed in polarization maintaining fiber. <i>Optics Express</i> , 2016 , 24, 611-9	3.3	9
161	Bend and twist intramolecular charge transfer and emission for selective metal ion sensing. <i>Optical Materials Express</i> , 2015 , 5, 2675	2.6	9
160	Characterization of nanoscale features in tapered fractal and photonic crystal fibers. <i>Optics Express</i> , 2011 , 19, 1860-5	3.3	9
159	Bragg grating writing in acoustically excited optical fiber. <i>Applied Physics Letters</i> , 2010 , 97, 041101	3.4	9
158	Photo-induced densification in Er ³⁺ /Al doped silica preform plates using 193-nm laser light. <i>Applied Physics B: Lasers and Optics</i> , 2009 , 94, 589-597	1.9	9

157	Ultrastrong UV written gratings in PECVD grown germanosilicate rib waveguides. <i>Electronics Letters</i> , 1996 , 32, 1479	1.1	9
156	High-temperature type IIa gratings in 12-ring photonic crystal fibre with germanosilicate core. <i>Journal of the European Optical Society-Rapid Publications</i> , 2008 , 3,	2.5	9
155	Photonic crystal fibre optical attenuators. <i>Electronics Letters</i> , 2005 , 41, 1167	1.1	9
154	Birefringence compensation, improved fringe contrast and trimming in an integrated asymmetric Mach-Zehnder interferometer using mid-IR laser processing. <i>Optical Materials</i> , 2000 , 14, 175-183	3.3	9
153	Bending-induced colouring in a photonic crystal fibre. <i>Optics Express</i> , 2000 , 7, 88-94	3.3	9
152	Add-drop multiplexing by grating-induced dispersion in multimode interference device. <i>IEEE Photonics Technology Letters</i> , 2001 , 13, 969-971	2.2	9
151	Rayleigh longitudinal profiling of optical resonances within waveguide grating structures using sidescattered light. <i>Optics Letters</i> , 1996 , 21, 609-11	3	9
150	Optical-Fiber Sensor Network Deployed for Temperature Measurement of Large Diesel Engine. <i>IEEE Sensors Journal</i> , 2018 , 18, 3654-3660	4	8
149	Nanofabrication of a Solid-State, Mesoporous Nanoparticle Composite for Efficient Photocatalytic Hydrogen Generation. <i>ChemPlusChem</i> , 2016 , 81, 521-525	2.8	8
148	Long-period gratings for selective monitoring of loads on a wind turbine blade. <i>Applied Optics</i> , 2014 , 53, 3993-4001	1.7	8
147	Self-assembled porphyrin microrods and observation of structure-induced iridescence. <i>Journal of Materials Chemistry</i> , 2010 , 20, 2310		8
146	Mapping the broadband polarization properties of linear 2D SOI photonic crystal waveguides. <i>Optics Express</i> , 2007 , 15, 15603-14	3.3	8
145	Impact of water and ice 1h formation in a photonic crystal fiber grating. <i>Optics Letters</i> , 2006 , 31, 706-8	3	8
144	355-nm hypersensitization of optical fibers. <i>Optics Letters</i> , 2003 , 28, 1108-10	3	8
143	Electrokinetic air-silica structured multi-microchannel capillary batteries. <i>Electronics Letters</i> , 2004 , 40, 298	1.1	8
142	Grating-based transmission bandpass filters using dispersion-matched mode conversion. <i>Optics Letters</i> , 1998 , 23, 174-6	3	8
141	Recent Developments in Smartphone Spectrometer Sample Analysis. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021 , 27, 1-12	3.8	8
140	Optical Fiber Bragg Grating Instrumentation Applied to Horse Gait Detection. <i>IEEE Sensors Journal</i> , 2018 , 18, 5778-5785	4	7

139	Picosecond 554 nm yellow-green fiber laser source with average power over 1 W. <i>Optics Express</i> , 2014 , 22, 17716-22	3.3	7
138	Ultra-high temperature chirped fiber Bragg gratings produced by gradient stretching of viscoelastic silica. <i>Optics Letters</i> , 2013 , 38, 5397-400	3	7
137	Rapid Decay of Type-II Femtosecond Laser Inscribed Gratings Within Q^2 -switched Yb^{3+} -Doped Fiber Lasers. <i>IEEE Photonics Technology Letters</i> , 2010 , 22, 504-506	2.2	7
136	Mode-locked picosecond pulse generation from an octave-spanning supercontinuum. <i>Optics Express</i> , 2009 , 17, 20833-9	3.3	7
135	Mode profile modification of H^+ ion beam irradiated waveguides using UV processing. <i>Journal of Non-Crystalline Solids</i> , 1998 , 239, 121-125	3.9	7
134	Fiber Bragg grating sensor for high temperature application 2008 ,		7
133	Compensation of birefringence within integrated optical components using a CO_2 laser. <i>Electronics Letters</i> , 1999 , 35, 812	1.1	7
132	Transient transmission notches induced in Er^{3+} doped optical fibre Bragg gratings. <i>Electronics Letters</i> , 1996 , 32, 245	1.1	7
131	Room temperature sol-gel fabrication and functionalization for sensor applications. <i>Photonic Sensors</i> , 2013 , 3, 168-177	2.3	6
130	Recent development of new active optical fibres for broadband photonic applications 2013 ,		6
129	Large dynamic range SPR measurements using a ZnSe prism. <i>Photonic Sensors</i> , 2015 , 5, 278-283	2.3	6
128	Metal-free scanning optical microscopy with a fractal fiber probe. <i>Optics Express</i> , 2009 , 17, 1772-80	3.3	6
127	Solid-state autocatalysis and oscillatory reactions in silicate glass systems. <i>Optics Communications</i> , 2006 , 260, 595-600	2	6
126	Analysis and removal of fracture damage during and subsequent to holey fiber cleaving. <i>Optics Express</i> , 2003 , 11, 535-40	3.3	6
125	Grating confinement in a photonic crystal fibre. <i>Optics Communications</i> , 2000 , 176, 121-124	2	6
124	Carbon dioxide laser-assisted poling of silicate-based optical fibers. <i>Optics Letters</i> , 2000 , 25, 200-2	3	6
123	Polynomial regression of multiple sensing variables for high-performance smartphone colorimeter. <i>OSA Continuum</i> , 2021 , 4, 374	1.4	6
122	Measurement of Rhodamine B absorption in self-assembled silica microwires using a Tablet as the optical source 2012 ,		5

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120	Rapid disappearance of regenerated fibre Bragg gratings at temperatures approaching 1500 °C in boron-codoped germanosilicate optical fibre 2010 ,		5
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