

# John Canning

## 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.

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	Annealing Effects on Optical Losses in 3D-Printed Silica Fiber. <i>IEEE Photonics Technology Letters</i> , <b>2022</b> , 34, 199-202	2.2	0
299	Low-Cost 3D Printer Drawn Optical Microfibers for Smartphone Colorimetric Detection.. <i>Biosensors</i> , <b>2022</b> , 12,	5.9	2
298	Additive Manufacturing Fiber Preforms for Structured Silica Fibers with Bismuth and Erbium Dopants. <i>Light Advanced Manufacturing</i> , <b>2022</b> , 3, 1	1	1
297	A Cross-Disciplinary View of Testing and Bioinformatic Analysis of SARS-CoV-2 and Other Human Respiratory Viruses in Pandemic Settings.. <i>IEEE Access</i> , <b>2021</b> , 9, 163716-163734	3.5	0
296	Simultaneous Multi-Analyte Sensing Using a 2D Quad-Beam Diffraction Smartphone Imaging Spectrometer. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 130994	8.5	2
295	Pressure Effects on Structured Optical Fibre Drawing by Modified Single-Capillary Modelling. <i>Optical Fiber Technology</i> , <b>2021</b> , 63, 102528	2.4	1
294	Thermal Stability of Type II Modifications Inscribed by Femtosecond Laser in a Fiber Drawn from a 3D Printed Preform. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 600	2.6	2
293	Recent Developments in Smartphone Spectrometer Sample Analysis. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2021</b> , 27, 1-12	3.8	8
292	Polynomial regression of multiple sensing variables for high-performance smartphone colorimeter. <i>OSA Continuum</i> , <b>2021</b> , 4, 374	1.4	6
291	Mortar-diatom composites for smart sensors and buildings. <i>Optical Materials Express</i> , <b>2021</b> , 11, 457	2.6	0
290	Anti-Reflection Coatings on 3D-Printed Components. <i>Coatings</i> , <b>2021</b> , 11, 1519	2.9	0
289	Toward optical fibre fabrication using 3D printing technology. <i>Optical Fiber Technology</i> , <b>2020</b> , 58, 102299	2.4	20
288	Development of a lateral flow test for rapid pyrethroid detection using antibody-gated indicator-releasing hybrid materials. <i>Analyst, The</i> , <b>2020</b> , 145, 3490-3494	5	16
287	A Robust Multi-channel Smartphone Spectrometer Utilizing Multiple Diffraction Orders <b>2020</b> ,		1
286	Chirping fiber Bragg gratings within additively manufactured polymer packages. <i>Optics Letters</i> , <b>2020</b> , 45, 2235-2238	3	1
285	Helical distributed feedback fiber Bragg gratings and rocking filters in a 3D printed preform-drawn fiber. <i>Optics Letters</i> , <b>2020</b> , 45, 5444-5447	3	3
284	Photocatalysis of 17 $\beta$ -ethynylestradiol and estriol in water using engineered immersible optical fibres and light emitting diodes. <i>Journal of Water Process Engineering</i> , <b>2020</b> , 33, 101075	6.7	5

283	Fluorescence-Based Determination of Olive Oil Quality Using an Endoscopic Smart Mobile Spectrofluorimeter. <i>IEEE Sensors Journal</i> , <b>2020</b> , 20, 4156-4163	4	11
282	3-D Printed Smart Orthotic Insoles: Monitoring a Person's Gait Step by Step <b>2020</b> , 4, 1-4		5
281	<b>2020</b> , 4, 1-4		10
280	Assessment of Orchid Surfaces Using Top-Down Contact Angle Mapping. <i>IEEE Access</i> , <b>2019</b> , 7, 31364-31375	3.5	3
279	Overview of high temperature fibre Bragg gratings and potential improvement using highly doped aluminosilicate glass optical fibres. <i>JPhys Photonics</i> , <b>2019</b> , 1, 042001	2.5	14
278	Optical hoovering on plasmonic rinks. <i>MRS Communications</i> , <b>2019</b> , 9, 1072-1078	2.7	1
277	Silica optical fiber drawn from 3D printed preforms. <i>Optics Letters</i> , <b>2019</b> , 44, 5358-5361	3	28
276	Spectral dependence of femtosecond laser induced circular optical properties in silica. <i>OSA Continuum</i> , <b>2019</b> , 2, 1233	1.4	1
275	3D Silica Lithography for Future Optical Fiber Fabrication <b>2019</b> , 1-17		
274	3D Silica Lithography for Future Optical Fiber Fabrication <b>2019</b> , 637-653		5
273	Water photonics, non-linearity, and anomalously large electro-optic coefficients in poled silica fibers. <i>MRS Communications</i> , <b>2018</b> , 8, 29-34	2.7	3
272	Structure formation dynamics in drawing silica photonic crystal fibres. <i>Frontiers of Optoelectronics</i> , <b>2018</b> , 11, 69-76	2.8	2
271	Optical-Fiber Sensor Network Deployed for Temperature Measurement of Large Diesel Engine. <i>IEEE Sensors Journal</i> , <b>2018</b> , 18, 3654-3660	4	8
270	Optical Fiber Bragg Grating Instrumentation Applied to Horse Gait Detection. <i>IEEE Sensors Journal</i> , <b>2018</b> , 18, 5778-5785	4	7
269	3D printing, photonics and the IoT <b>2018</b> ,		3
268	Spun High Birefringence Bismuth/Erbium Co-Doped Photonic Crystal Fibre with Broadband Polarized Emission <b>2018</b> ,		2
267	Time-resolved and temperature tuneable measurements of fluorescent intensity using a smartphone fluorimeter. <i>Analyst, The</i> , <b>2017</b> , 142, 1953-1961	5	19
266	Photonic sensors: from horse racing to horse power <b>2017</b> ,		1

265	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> , <b>2017</b> , 7, 045012	1.5	10
264	Photo- and thermal degradation of olive oil measured using an optical fibre smartphone spectrofluorimeter <b>2017</b> ,		1
263	Large area optical mapping of surface contact angle. <i>Optics Express</i> , <b>2017</b> , 25, 21127-21144	3.3	12
262	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> , <b>2016</b> , 79, 236-249	4.6	34
261	Induced nanoscale changes with low temperature annealing inside composite optical fibres probed by strain-insensitive long period gratings. <i>Optical Materials Express</i> , <b>2016</b> , 6, 58	2.6	1
260	Polarization mode coupling and related effects in fiber Bragg grating inscribed in polarization maintaining fiber. <i>Optics Express</i> , <b>2016</b> , 24, 611-9	3.3	9
259	Nanofabrication of a Solid-State, Mesoporous Nanoparticle Composite for Efficient Photocatalytic Hydrogen Generation. <i>ChemPlusChem</i> , <b>2016</b> , 81, 521-525	2.8	8
258	Hand-held Optical Fiber Smartphone Spectrometer for Classification of Vegetable Oils <b>2016</b> ,		1
257	Temperature Controlled Portable Smartphone Fluorimeter <b>2016</b> ,		2
256	Exciting surface plasmons on metal-coated multimode optical waveguides using skew rays. <i>Optics Letters</i> , <b>2016</b> , 41, 5353-5356	3	3
255	Step-index optical fiber drawn from 3D printed preforms. <i>Optics Letters</i> , <b>2016</b> , 41, 4554-4557	3	43
254	Drawing optical fibers from three-dimensional printers. <i>Optics Letters</i> , <b>2016</b> , 41, 5551-5554	3	34
253	Optical fiber smartphone spectrometer. <i>Optics Letters</i> , <b>2016</b> , 41, 2237-40	3	66
252	Combined "dual" absorption and fluorescence smartphone spectrometers. <i>Optics Letters</i> , <b>2015</b> , 40, 1737-40		75
251	Early warning smartphone diagnostics for water security and analysis using real-time pH mapping. <i>Photonic Sensors</i> , <b>2015</b> , 5, 289-297	2.3	25
250	Spectral properties and role of aluminium-related bismuth active centre (BAC-Al) in bismuth and erbium co-doped fibres. <i>Optical Materials Express</i> , <b>2015</b> , 5, 1195	2.6	21
249	Absorption and fluorescence spectroscopy on a smartphone <b>2015</b> ,		1
248	Air-structured optical fiber drawn from a 3D-printed preform. <i>Optics Letters</i> , <b>2015</b> , 40, 3966-9	3	80

247	Lab-in-a-Phone: Smartphone-Based Portable Fluorometer for pH Measurements of Environmental Water. <i>IEEE Sensors Journal</i> , <b>2015</b> , 15, 5095-5102	4	71
246	Bend and twist intramolecular charge transfer and emission for selective metal ion sensing. <i>Optical Materials Express</i> , <b>2015</b> , 5, 2675	2.6	9
245	Improving broadband emission within Bi/Er doped silicate fibres with Yb co-doping. <i>Optical Materials Express</i> , <b>2015</b> , 5, 2096	2.6	20
244	Ultrahigh-Temperature Regeneration of Long Period Gratings (LPGs) in Boron-Codoped Germanosilicate Optical Fibre. <i>Sensors</i> , <b>2015</b> , 15, 20659-77	3.8	4
243	Regenerated long period gratings (LPGs) in boron-codoped germanosilicate optical fibre <b>2015</b> ,		1
242	Large dynamic range SPR measurements using a ZnSe prism. <i>Photonic Sensors</i> , <b>2015</b> , 5, 278-283	2.3	6
241	Smartphone laser beam spatial profiler. <i>Optics Letters</i> , <b>2015</b> , 40, 5156-9	3	20
240	High temperature assessment of an Er <sup>3+</sup> /Yb <sup>3+</sup> -co-doped phosphosilicate optical fibre for lasers, amplifiers and sensors <b>2015</b> ,		2
239	3D printing optical fibre preforms <b>2015</b> ,		1
238	Lab-in-a-Microfibre. <i>Springer Series in Surface Sciences</i> , <b>2015</b> , 209-232	0.4	
237	Water on Au sputtered films. <i>Chemical Communications</i> , <b>2014</b> , 50, 9172-5	5.8	16
236	Near orthogonal launch of SPR modes in Au films. <i>Optics Letters</i> , <b>2014</b> , 39, 5038-41	3	2
235	Picosecond 554 nm yellow-green fiber laser source with average power over 1 W. <i>Optics Express</i> , <b>2014</b> , 22, 17716-22	3.3	7
234	A simultaneous strain and temperature sensing module based on FBG-in-SMS. <i>Measurement Science and Technology</i> , <b>2014</b> , 25, 055205	2	10
233	Long-period gratings for selective monitoring of loads on a wind turbine blade. <i>Applied Optics</i> , <b>2014</b> , 53, 3993-4001	1.7	8
232	Compact Birefringent Waveplates Photo-Induced in Silica by Femtosecond Laser. <i>Micromachines</i> , <b>2014</b> , 5, 825-838	3.3	12
231	Percolation Diffusion into Self-Assembled Mesoporous Silica Microfibres. <i>Nanomaterials</i> , <b>2014</b> , 4, 157-174	3.4	22
230	Fabricating Nanoporous Silica Structure on D-Fibres through Room Temperature Self-Assembly. <i>Materials</i> , <b>2014</b> , 7, 2356-2369	3.5	2

229	Centralised and portable 'network forensics'; using smartphone-based diagnostics: Case study 'The mapping of tap water pH across Sydney, Australia' <b>2014</b> ,		3
228	A smartphone fluorometer 'the lab-in-a-phone' <b>2014</b> ,		1
227	Long-period gratings in special geometry fibers for high-resolution and selective sensors. <i>Optical Engineering</i> , <b>2014</b> , 53, 066109	1.1	1
226	Room temperature sol-gel fabrication and functionalization for sensor applications. <i>Photonic Sensors</i> , <b>2013</b> , 3, 168-177	2.3	6
225	Ultrafast nanoporous silica formation driven by femtosecond laser irradiation. <i>Laser and Photonics Reviews</i> , <b>2013</b> , 7, 953-962	8.3	107
224	Recent development of new active optical fibres for broadband photonic applications <b>2013</b> ,		6
223	Developing new active optical fibres with broadband emissions <b>2013</b> ,		3
222	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> , <b>2013</b> , 46, 4045-4051	4.6	13
221	Estimation of strain of distorted FBG sensor spectra using a fixed FBG filter circuit and an artificial neural network <b>2013</b> ,		2
220	Advances and new applications using the acousto-optic effect in optical fibers. <i>Photonic Sensors</i> , <b>2013</b> , 3, 1-25	2.3	15
219	Induction Brazing of Type-I Fiber Bragg Gratings Into Kovar Ferrules Exploiting Curie Transition. <i>IEEE Sensors Journal</i> , <b>2013</b> , 13, 816-823	4	13
218	Viscosity of silica optical fibres characterized using regenerated gratings. <i>Acta Materialia</i> , <b>2013</b> , 61, 607186-181	24	24
217	Regeneration of fiber Bragg gratings under strain. <i>Applied Optics</i> , <b>2013</b> , 52, 2080-5	1.7	14
216	Magnetic induction-induced resistive heating of optical fibers and gratings. <i>Optics Letters</i> , <b>2013</b> , 38, 926-8	3	3
215	Regenerated distributed Bragg reflector fiber lasers for high-temperature operation. <i>Optics Letters</i> , <b>2013</b> , 38, 2490-2	3	26
214	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> , <b>2013</b> , 21, 7786-92	3.3	27
213	Ultra-high temperature chirped fiber Bragg gratings produced by gradient stretching of viscoelastic silica. <i>Optics Letters</i> , <b>2013</b> , 38, 5397-400	3	7
212	Highly ordered mesoporous silica microfibres produced by evaporative self-assembly and fracturing. <i>Optical Materials Express</i> , <b>2013</b> , 3, 2028	2.6	11

211	Temperature and strain characterization of regenerated gratings. <i>Optics Letters</i> , <b>2013</b> , 38, 247-9	3	31
210	A fluorescence study of self-assembled silica layers on D-shaped optical fibre <b>2013</b> ,		1
209	Laser tailoring surface interactions, contact angles, drop topologies and the self-assembly of optical microwires. <i>Optical Materials Express</i> , <b>2013</b> , 3, 284	2.6	13
208	Time-resolved emission characteristics of Bi/Er codoped fiber for ultra-broadband applications <b>2013</b> ,		4
207	Room temperature self-assembly of mixed nanoparticles into photonic structures. <i>Nature Communications</i> , <b>2012</b> , 3, 1188	17.4	45
206	Measurement of Rhodamine B absorption in self-assembled silica microwires using a Tablet as the optical source <b>2012</b> ,		5
205	Bragg Gratings in the Germanium-Doped Concentric Rings of a $\text{Yb}^{3+}$ -Doped Core Solid Photonic Bandgap Fiber. <i>IEEE Sensors Journal</i> , <b>2012</b> , 12, 103-106	4	
204	Optical sensing: the last frontier for enabling intelligence in our wired up world and beyond. <i>Photonic Sensors</i> , <b>2012</b> , 2, 193-202	2.3	2
203	Mapping the thermal distribution within a silica preform tube using regenerated fibre Bragg gratings. <i>International Journal of Heat and Mass Transfer</i> , <b>2012</b> , 55, 3288-3294	4.9	16
202	New theory of femtosecond induced changes and nanopore formation <b>2012</b> ,		3
201	Surface treatment of silicate based glass: base Piranha treatment versus 193nm laser processing <b>2012</b> ,		2
200	Characterisation and functionalisation of cold-processed titania sol-gel layers on silica and silicate surfaces. <i>Optical Materials Express</i> , <b>2012</b> , 2, 222	2.6	
199	Regeneration and helium: regenerating Bragg gratings in helium-loaded germanosilicate optical fibre. <i>Optical Materials Express</i> , <b>2012</b> , 2, 1733	2.6	32
198	Bulk regeneration of optical fiber Bragg gratings. <i>Applied Optics</i> , <b>2012</b> , 51, 7165-9	1.7	14
197	Bismuth and erbium codoped optical fiber with ultrabroadband luminescence across O-, E-, S-, C-, and L-bands. <i>Optics Letters</i> , <b>2012</b> , 37, 3447-9	3	66
196	Mechanical strength of silica fiber splices after exposure to extreme temperatures <b>2012</b> ,		1
195	Regenerated femtosecond fibre Bragg gratings <b>2012</b> ,		15
194	Fiber Bragg Gratings in Air-Hole Microstructured Fibers for High-Temperature Pressure Sensing <b>2012</b> ,		2

193	A comparison of delayed self-heterodyne interference measurement of laser linewidth using Mach-Zehnder and Michelson interferometers. <i>Sensors</i> , <b>2011</b> , 11, 9233-41	3.8	12
192	Performance Enhancement of Vibration Sensing Employing Multiple Phase-Shifted Fiber Bragg Grating. <i>Journal of Lightwave Technology</i> , <b>2011</b> , 29, 3453-3460	4	26
191	Post-hydrogen-loaded draw tower fiber Bragg gratings and their thermal regeneration. <i>Applied Optics</i> , <b>2011</b> , 50, 2519-22	0.2	29
190	A study of regenerated gratings produced in germanosilicate fibers by high temperature annealing. <i>Optics Express</i> , <b>2011</b> , 19, 1198-206	3.3	59
189	Characterization of nanoscale features in tapered fractal and photonic crystal fibers. <i>Optics Express</i> , <b>2011</b> , 19, 1860-5	3.3	9
188	Porphyrim-doped solgel-lined structured optical fibers for local and remote sensing. <i>Optics Letters</i> , <b>2011</b> , 36, 1975-7	3	3
187	Regenerated gratings in air-hole microstructured fibers for high-temperature pressure sensing. <i>Optics Letters</i> , <b>2011</b> , 36, 3542-4	3	41
186	Manipulating and controlling the evanescent field within optical waveguides using high index nanolayers. <i>Optical Materials Express</i> , <b>2011</b> , 1, 192	2.6	12
185	Anatomy of a femtosecond laser processed silica waveguide [Invited]. <i>Optical Materials Express</i> , <b>2011</b> , 1, 998	2.6	70
184	Measurement of fluorescence in a rhodamine-123 doped self-assembled "giant" mesostructured silica sphere using a smartphone as optical hardware. <i>Sensors</i> , <b>2011</b> , 11, 7055-62	3.8	24
183	Regenerated draw tower grating (DTG) temperature sensors <b>2011</b> ,		1
182	Impact of hydrogen-induced effects on optical fiber Bragg gratings <b>2011</b> ,		2
181	STRUCTURED OPTICAL FIBRES AND THE APPLICATION OF THEIR LINEAR AND NON-LINEAR PROPERTIES <b>2011</b> , 389-452		3
180	Grating writing in structured optical fibers. <i>Photonic Sensors</i> , <b>2011</b> , 1, 199-203	2.3	2
179	<b>2011</b> ,		1
178	Dynamic control of a phase-shifted FBG through acousto-optic modulation. <i>Optics Communications</i> , <b>2011</b> , 284, 1228-1231	2	14
177	Thermal regenerated type IIa fiber Bragg gratings for ultra-high temperature operation. <i>Optics Communications</i> , <b>2011</b> , 284, 183-185	2	36
176	Compact dip-style viscometer based on the acousto-optic effect in a long period fiber grating. <i>Sensors and Actuators B: Chemical</i> , <b>2011</b> , 157, 621-626	8.5	14



175	Regenerated fibre Bragg gratings used to map internal reaction temperatures of a modified chemical vapour deposition (MCVD) optical fibre preform lathe <b>2011</b> ,		1
174	Time-resolved plasma measurements in Ge-doped silica exposed to infrared femtosecond laser. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	12
173	Complex Bragg grating writing using direct modulation of the optical fiber with flexural waves. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 161111	3.4	15
172	Control of the long period grating spectrum through low frequency flexural acoustic waves. <i>Measurement Science and Technology</i> , <b>2011</b> , 22, 045205	2	11
171	Thermally regenerated fiber Bragg gratings in twin-air-hole microstructured fibers for high temperature pressure sensing <b>2011</b> ,		1
170	Michelson Interferometer With Faraday Mirrors Employed In A Delayed Self-Heterodyne Interferometer <b>2011</b> ,		1
169	Regenerated Fibre Bragg Gratings <b>2010</b> ,		15
168	High-temperature fiber Bragg grating sensors in microstructured fibers for harsh environment applications <b>2010</b> ,		1
167	Bragg grating writing in acoustically excited optical fiber. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 041101	3.4	9
166	The Response of Embedded NIR (830 nm) Fiber Bragg Grating Sensors in Glass Fiber Composites under Fatigue Loading. <i>Journal of Composite Materials</i> , <b>2010</b> , 44, 809-819	2.7	5
165	Acoustically modulated long period grating sensor for simultaneous viscosity and density measurement <b>2010</b> ,		2
164	Automatable fabrication of dispersion-tailored Bragg gratings for tunable narrowband delays. <i>Electronics Letters</i> , <b>2010</b> , 46, 1283	1.1	1
163	Rapid disappearance of regenerated fibre Bragg gratings at temperatures approaching 1500 °C in boron-codoped germanosilicate optical fibre <b>2010</b> ,		5
162	Control of the properties of fiber Bragg gratings based on the acousto-optic effect <b>2010</b> ,		2
161	Rapid Decay of Type-II Femtosecond Laser Inscribed Gratings Within Q-switched Yb <sup>3+</sup> -Doped Fiber Lasers. <i>IEEE Photonics Technology Letters</i> , <b>2010</b> , 22, 504-506	2.2	7
160	Thermal stabilization of Type I fiber Bragg gratings for operation up to 600 degrees C. <i>Optics Letters</i> , <b>2010</b> , 35, 586-8	3	26
159	Evaluation of optical fiber microcell reactor for use in remote acid sensing. <i>Optics Letters</i> , <b>2010</b> , 35, 817-9		12
158	Ultrafast femtosecond-laser-induced fiber Bragg gratings in air-hole microstructured fibers for high-temperature pressure sensing. <i>Optics Letters</i> , <b>2010</b> , 35, 1443-5	3	87

157	. <i>Journal of Lightwave Technology</i> , <b>2010</b> , 28, 2667-2673	4	13
156	Self-assembled porphyrin microrods and observation of structure-induced iridescence. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 2310		8
155	Improved noise performance of a DFB fibre laser SONAR array using a frequency reference <b>2010</b> ,		1
154	Single-mode optical fibre thermocoupler based on regenerated fibre Bragg gratings evaluated at ~1500 °C <b>2010</b> ,		1
153	Frequency conversion from near-infrared to mid-infrared in highly nonlinear optical fibres <b>2010</b> ,		2
152	Remote gaseous acid sensing within a porphyrin-doped TiO <sub>2</sub> sol-gel layer inside a structured optical fibre <b>2010</b> ,		1
151	Vibration mode analysis of a silica horn fiber Bragg grating device. <i>Optics Communications</i> , <b>2010</b> , 283, 1296-1302	2	41
150	Bragg gratings in Yb <sup>3+</sup> - doped solid photonic bandgap fibre <b>2010</b> ,		1
149	Porphyrin-assisted fabrication of silica mesostructured nanoparticle hosts for potential diagnostic and sensing applications <b>2010</b> ,		1
148	Properties of Specialist Fibres and Bragg Gratings for Optical Fiber Sensors. <i>Journal of Sensors</i> , <b>2009</b> , 2009, 1-17	2	15
147	Spectrally narrow polarisation conversion in a slow-light photonic crystal waveguide. <i>Journal of the European Optical Society-Rapid Publications</i> , <b>2009</b> , 4,	2.5	3
146	Ultra-strong regenerated gratings <b>2009</b> ,		2
145	Focused ion beam processing and engineering of devices in self-assembled supramolecular structures. <i>Nanotechnology</i> , <b>2009</b> , 20, 485301	3.4	4
144	Air-clad fibres for astronomical instrumentation: focal-ratio degradation. <i>Experimental Astronomy</i> , <b>2009</b> , 24, 1-7	1.3	10
143	Photo-induced densification in Er <sup>3+</sup> /Al doped silica preform plates using 193-nm laser light. <i>Applied Physics B: Lasers and Optics</i> , <b>2009</b> , 94, 589-597	1.9	9
142	Evanescent-field spectroscopy using structured optical fibers: detection of charge-transfer at the porphyrin-silica interface. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 2925-33	16.4	24
141	Femtosecond laser direct processing in wet and dry silica glass. <i>Journal of Non-Crystalline Solids</i> , <b>2009</b> , 355, 1057-1061	3.9	10
140	Metal-free scanning optical microscopy with a fractal fiber probe. <i>Optics Express</i> , <b>2009</b> , 17, 1772-80	3.3	6

139	Mode-locked picosecond pulse generation from an octave-spanning supercontinuum. <i>Optics Express</i> , <b>2009</b> , 17, 20833-9	3.3	7
138	Cleaving of Extremely Porous Polymer Fibers. <i>IEEE Photonics Journal</i> , <b>2009</b> , 1, 286-292	1.8	29
137	Bragg grating writing in photonic crystal fibres <b>2009</b> ,		2
136	Regenerated gratings. <i>Journal of the European Optical Society-Rapid Publications</i> , <b>2009</b> , 4,	2.5	45
135	Ultrahigh-temperature regenerated gratings in boron-codoped germanosilicate optical fiber using 193 nm. <i>Optics Letters</i> , <b>2008</b> , 33, 1917-9	3	151
134	Optical loss mechanisms in femtosecond laser-written point-by-point fibre Bragg gratings. <i>Optics Express</i> , <b>2008</b> , 16, 14248-54	3.3	53
133	White light sources based on multiple precision selective micro-filling of structured optical waveguides. <i>Optics Express</i> , <b>2008</b> , 16, 15700-8	3.3	21
132	Photo-annealing of femtosecond laser written Bragg gratings <b>2008</b> ,		1
131	Fiber Bragg grating sensor for high temperature application <b>2008</b> ,		7
130	Transversely illuminating the core of photonic crystal fibre <b>2008</b> ,		2
129	193nm Bragg grating writing in H <sub>2</sub> -loaded many-layered PCF <b>2008</b> ,		1
128	Acoustic-induced modulation of photonic crystal fiber Bragg gratings <b>2008</b> ,		2
127	Gratings in Structured Optical Fibres. <i>Laser Chemistry</i> , <b>2008</b> , 2008, 1-19		19
126	The Acousto-Optic Effect in Microstructured Optical Fibers <b>2008</b> ,		1
125	Birefringent Bragg gratings in highly-nonlinear photonic crystal fibre <b>2008</b> ,		1
124	Structure optimization of air-hole fibers for high-sensitivity fiber Bragg grating pressure sensors <b>2008</b> ,		2
123	Rotational dependence of laser light accessing photonic crystal fibre cores from the side <b>2008</b> ,		2
122	Extreme Silica Optical Fibre Gratings. <i>Sensors</i> , <b>2008</b> , 8, 6448-6452	3.8	134

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113	Spun elliptically birefringent photonic crystal fibre for current sensing. <i>Measurement Science and Technology</i> , <b>2007</b> , 18, 3070-3074	2	12
112	Exploiting Polymer Photonic Crystal Fibre Uniqueness - A Simple High Resolution Pressure Sensor <b>2007</b> ,		1
111	Bragg Gratings in Large Diameter Air-Clad Optical Fibre Written with a Femtosecond Laser <b>2007</b> ,		1
110	Solar hypersensitization of optical fibers. <i>Optics Letters</i> , <b>2007</b> , 32, 608-10	3	2
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108	Spun elliptically birefringent photonic crystal fibre. <i>Optics Express</i> , <b>2007</b> , 15, 1811-6	3.3	32
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102	Micromachining Long Period Gratings in Optical Fibres using Focused Ion Beam <b>2007</b> ,			1
101	Gratings in Large Diameter Air-clad Optical Fibre using a Femtosecond Laser <b>2007</b> ,			1
100	Gratings and grating devices in structured fibres using 193nm from an ArF laser <b>2007</b> ,			1
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