

# Tanya M Monro

## List of Publications by Year in Descending Order

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**Version:** 2024-04-09

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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.

301 papers	10,851 citations	56 h-index	90 g-index
415 ext. papers	13,003 ext. citations	3.7 avg, IF	6.28 L-index

#	Paper	IF	Citations
301	A biophotonic approach to measure pH in small volumes in vitro: Quantifiable differences in metabolic flux around the cumulus-oocyte-complex (COC). <i>Journal of Biophotonics</i> , <b>2020</b> , 13, e201960038	3.1	3
300	Light-Sheet Skew Ray-Enhanced Localized Surface Plasmon Resonance-Based Chemical Sensing. <i>ACS Sensors</i> , <b>2020</b> , 5, 127-132	9.2	1
299	Correlated Eigenvalues of Multi-Soliton Optical Communications. <i>Scientific Reports</i> , <b>2019</b> , 9, 6399	4.9	8
298	Optical hygrometer using light-sheet skew-ray probed multimode fiber with polyelectrolyte coating. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 296, 126685	8.5	4
297	Radiated and guided optical waves of a magnetic dipole-nanofiber system. <i>Scientific Reports</i> , <b>2019</b> , 9, 3568	4.9	2
296	Short-Range Non-Bending Fully Distributed Water/Humidity Sensors. <i>Journal of Lightwave Technology</i> , <b>2019</b> , 37, 2014-2022	4	3
295	Towards new fiber optic sensors based on the vapor deposited conducting polymer PEDOT:Tos. <i>Optical Materials Express</i> , <b>2019</b> , 9, 4517	2.6	2
294	Light-Sheet Skew-Ray Enhanced Pump-Absorption for Sensing. <i>Journal of Lightwave Technology</i> , <b>2019</b> , 37, 2140-2146	4	3
293	Enhanced terahertz magnetic dipole response by subwavelength fiber. <i>APL Photonics</i> , <b>2018</b> , 3, 051701	5.2	4
292	Magnetically sensitive nanodiamond-doped tellurite glass fibers. <i>Scientific Reports</i> , <b>2018</b> , 8, 1268	4.9	31
291	Luminescent Capillary-Based Whispering Gallery Mode Sensors: Crossing the Lasing Threshold. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2018</b> , 215, 1700619	1.6	5
290	Dipole-fiber system: from single photon source to metadevices. <i>Frontiers of Optoelectronics</i> , <b>2018</b> , 11, 30-36	2.8	
289	Towards rewritable multilevel optical data storage in single nanocrystals. <i>Optics Express</i> , <b>2018</b> , 26, 12266	5.3	23
288	Widely tunable, high slope efficiency waveguide lasers in a Yb-doped glass chip operating at 1 $\mu$ m. <i>Optics Letters</i> , <b>2018</b> , 43, 1902-1905	3	8
287	Femtosecond-laser-written Microstructured Waveguides in BK7 Glass. <i>Scientific Reports</i> , <b>2018</b> , 8, 10377	4.9	16
286	Force Sensors Using the Skew-Ray-Probed Plastic Optical Fibers. <i>IEEE Photonics Journal</i> , <b>2018</b> , 10, 1-8	1.8	5
285	Nitric oxide optical fiber sensor based on exposed core fibers and CdTe/CdS quantum dots. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 273, 9-17	8.5	26

284	A six-strut suspended core fiber for cylindrical vector mode generation and propagation. <i>Optics Express</i> , <b>2018</b> , 26, 32037-32047	3.3	1
283	Recent Progress in Advanced Humidity Sensors. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1065, 252008.	3.3	3
282	Double edge-diffraction mediated virtual shadow for distance metrology. <i>New Journal of Physics</i> , <b>2018</b> , 20, 103029	2.9	1
281	Control of Molecular Recognition via Modulation of the Nanoenvironment. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 41866-41870	9.5	4
280	Mode-Splitting for Refractive Index Sensing in Fluorescent Whispering Gallery Mode Microspheres with Broken Symmetry. <i>Sensors</i> , <b>2018</b> , 18,	3.8	11
279	Synchronised dual-wavelength mode-locking in waveguide lasers. <i>Scientific Reports</i> , <b>2018</b> , 8, 7821	4.9	9
278	Towards rewritable multilevel optical data storage in single nanocrystals. <i>Optics Express</i> , <b>2018</b> , 26, 12266-12276	5.3	12
277	Photodetector based on Vernier-Enhanced Fabry-Perot Interferometers with a Photo-Thermal Coating. <i>Scientific Reports</i> , <b>2017</b> , 7, 41895	4.9	4
276	Fluorescent and lasing whispering gallery mode microresonators for sensing applications. <i>Laser and Photonics Reviews</i> , <b>2017</b> , 11, 1600265	8.3	101
275	Optical Microfiber Technology for Current, Temperature, Acceleration, Acoustic, Humidity and Ultraviolet Light Sensing. <i>Sensors</i> , <b>2017</b> , 18,	3.8	15
274	Ultra-fast Hygrometer based on U-shaped Optical Microfiber with Nanoporous Polyelectrolyte Coating. <i>Scientific Reports</i> , <b>2017</b> , 7, 7943	4.9	23
273	Ultrafast colorimetric humidity-sensitive polyelectrolyte coating for touchless control. <i>Materials Horizons</i> , <b>2017</b> , 4, 72-82	14.4	45
272	A comparative study of the fluorescence and photostability of common photoswitches in microstructured optical fibre. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 239, 474-480	8.5	6
271	Nanofilm-induced spectral tuning of third harmonic generation. <i>Optics Letters</i> , <b>2017</b> , 42, 1812-1815	3	8
270	Unified theory of whispering gallery multilayer microspheres with single dipole or active layer sources. <i>Optics Express</i> , <b>2017</b> , 25, 6192-6214	3.3	11
269	Determining the geometric parameters of microbubble resonators from their spectra. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2017</b> , 34, 44	1.7	3
268	Determining the geometric parameters of microbubble resonators from their spectra. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2017</b> , 34, 2699	1.7	
267	Third harmonic generation in exposed-core microstructured optical fibers. <i>Optics Express</i> , <b>2016</b> , 24, 17860-17867	3.7	15

266	Dispersion analysis of whispering gallery mode microbubble resonators. <i>Optics Express</i> , <b>2016</b> , 24, 8832-43	3.3	17
265	Detection of microscopic defects in optical fiber coatings using angle-resolved skew rays. <i>Optics Letters</i> , <b>2016</b> , 41, 4036-9	3	2
264	Effect of surface roughness on metal enhanced fluorescence in planar substrates and optical fibers. <i>Optical Materials Express</i> , <b>2016</b> , 6, 2128	2.6	13
263	Ultrafast pulse generation in a mode-locked Erbium chip waveguide laser. <i>Optics Express</i> , <b>2016</b> , 24, 27173-27183	3.3	19
262	Portable optical fiber probe for in vivo brain temperature measurements. <i>Biomedical Optics Express</i> , <b>2016</b> , 7, 3069-77	3.5	39
261	Integration of conductive reduced graphene oxide into microstructured optical fibres for optoelectronics applications. <i>Scientific Reports</i> , <b>2016</b> , 6, 21682	4.9	8
260	Suspended Core Fibers for the Transmission of Cylindrical Vector Modes. <i>Journal of Lightwave Technology</i> , <b>2016</b> , 34, 5620-5626	4	3
259	Highly efficient valence state switching of samarium in BaFCl:Sm nanocrystals in the deep UV for multilevel optical data storage. <i>Optical Materials Express</i> , <b>2016</b> , 6, 3097	2.6	23
258	Lasing of whispering gallery modes in optofluidic microcapillaries. <i>Optics Express</i> , <b>2016</b> , 24, 12466-77	3.3	18
257	Fiber optic approach for detecting corrosion <b>2016</b> ,		2
256	Air-Clad Holmium-Doped Silica Fiber Laser. <i>IEEE Journal of Quantum Electronics</i> , <b>2016</b> , 52, 1-8	2	3
255	Temperature sensing up to 1300°C using suspended-core microstructured optical fibers. <i>Optics Express</i> , <b>2016</b> , 24, 3714-9	3.3	37
254	Dispersion in silica microbubble resonators. <i>Optics Letters</i> , <b>2016</b> , 41, 1257-60	3	19
253	Dynamic Self-Referencing Approach to Whispering Gallery Mode Biosensing and Its Application to Measurement within Undiluted Serum. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 4036-40	7.8	21
252	Detection of gold nanoparticles with different sizes using absorption and fluorescence based method. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 227, 117-127	8.5	118
251	Plasmonic Fiber Optic Refractometric Sensors: From Conventional Architectures to Recent Design Trends. <i>Sensors</i> , <b>2016</b> , 17,	3.8	108
250	Enhanced radiation dosimetry of fluoride phosphate glass optical fibres by terbium (III) doping. <i>Optical Materials Express</i> , <b>2016</b> , 6, 3692	2.6	18
249	Surface Analysis and Treatment of Extruded Fluoride Phosphate Glass Preforms for Optical Fiber Fabrication. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 1874-1877	3.8	7

248	Cancer Detection in Human Tissue Samples Using a Fiber-Tip pH Probe. <i>Cancer Research</i> , <b>2016</b> , 76, 6795-6801	6.0	18
247	Using whispering gallery mode micro lasers for biosensing within undiluted serum <b>2016</b> ,		1
246	Combining whispering gallery mode lasers and microstructured optical fibers: limitations, applications and perspectives for in-vivo biosensing. <i>MRS Advances</i> , <b>2016</b> , 1, 2309-2320	0.7	
245	Microstructured Optical Fiber-based Biosensors: Reversible and Nanoliter-Scale Measurement of Zinc Ions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 12727-32	9.5	27
244	Strong Magnetic Response of Optical Nanofibers. <i>ACS Photonics</i> , <b>2016</b> , 3, 972-978	6.3	13
243	Interferometric high temperature sensor using suspended-core optical fibers. <i>Optics Express</i> , <b>2016</b> , 24, 8967-77	3.3	43
242	Er <sup>3+</sup> Active Yb <sup>3+</sup> +Ce <sup>3+</sup> Co-Doped Fluorozirconate Guided-Wave Chip Lasers. <i>IEEE Photonics Technology Letters</i> , <b>2016</b> , 28, 2315-2318	2.2	7
241	Enhanced Pump Absorption of Active Fiber Components With Skew Rays. <i>Journal of Lightwave Technology</i> , <b>2016</b> , 34, 5642-5650	4	4
240	Quantification of the fluorescence sensing performance of microstructured optical fibers compared to multi-mode fiber tips. <i>Optics Express</i> , <b>2016</b> , 24, 18541-50	3.3	15
239	A fiber-tip label-free biological sensing platform: a practical approach toward in-vivo sensing. <i>Sensors</i> , <b>2015</b> , 15, 1168-81	3.8	29
238	Interferometric-type optical biosensor based on exposed core microstructured optical fiber. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 221, 320-327	8.5	31
237	Atom-Photon Coupling from Nitrogen-vacancy Centres Embedded in Tellurite Microspheres. <i>Scientific Reports</i> , <b>2015</b> , 5, 11486	4.9	6
236	Photoreduction of Sm(3+) in Nanocrystalline BaFCl. <i>Journal of Physical Chemistry A</i> , <b>2015</b> , 119, 6252-6	2.8	11
235	Polymer based whispering gallery mode laser for biosensing applications. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 031104	3.4	49
234	Fibre tip pH sensor for tumor detection during surgery <b>2015</b> ,		1
233	Method for predicting whispering gallery mode spectra of spherical microresonators. <i>Optics Express</i> , <b>2015</b> , 23, 9924-37	3.3	17
232	Material candidates for optical frequency comb generation in microspheres. <i>Optics Express</i> , <b>2015</b> , 23, 14784-95	3.3	23
231	Optimization of whispering gallery resonator design for biosensing applications. <i>Optics Express</i> , <b>2015</b> , 23, 17067-76	3.3	22

230	Nanodiamond in tellurite glass Part II: practical nanodiamond-doped fibers. <i>Optical Materials Express</i> , <b>2015</b> , 5, 73	2.6	18
229	Cross mode and polarization mixing in third and one-third harmonic generation in multi-mode waveguides. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2015</b> , 32, 379	1.7	4
228	Localised hydrogen peroxide sensing for reproductive health <b>2015</b> ,		3
227	Computational Modeling of Hole Distortion in Extruded Microstructured Optical Fiber Glass Preforms. <i>Journal of Lightwave Technology</i> , <b>2015</b> , 33, 424-431	4	5
226	Taming the Light in Microstructured Optical Fibers for Sensing. <i>International Journal of Applied Glass Science</i> , <b>2015</b> , 6, 229-239	1.8	29
225	Demonstration of an Exposed-Core Fiber Platform for Two-Photon Rubidium Spectroscopy. <i>Physical Review Applied</i> , <b>2015</b> , 4,	4.3	6
224	Surface Plasmon Scattering in Exposed Core Optical Fiber for Enhanced Resolution Refractive Index Sensing. <i>Sensors</i> , <b>2015</b> , 15, 25090-102	3.8	66
223	Distributed Wireless Monitoring System for Ullage and Temperature in Wine Barrels. <i>Sensors</i> , <b>2015</b> , 15, 19495-506	3.8	9
222	A Dual Sensor for pH and Hydrogen Peroxide Using Polymer-Coated Optical Fibre Tips. <i>Sensors</i> , <b>2015</b> , 15, 31904-13	3.8	29
221	Holmium-doped 2.1 $\mu\text{m}$ waveguide chip laser with an output power > 1 W. <i>Optics Express</i> , <b>2015</b> , 23, 32664-370	3.7	9
220	Boronate probes for the detection of hydrogen peroxide release from human spermatozoa. <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 81, 69-76	7.8	35
219	Q-factor limits for far-field detection of whispering gallery modes in active microspheres. <i>Optics Express</i> , <b>2015</b> , 23, 28896-904	3.3	29
218	Explosives detection by fluorescence quenching of conjugated polymers in suspended core optical fibers. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 199, 22-26	8.5	55
217	Dip biosensor based on localized surface plasmon resonance at the tip of an optical fiber. <i>Langmuir</i> , <b>2014</b> , 30, 946-54	4	65
216	Dual sensor for Cd(II) and Ca(II): selective nanoliter-scale sensing of metal ions. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 3268-72	7.8	46
215	Exposed core microstructured optical fiber Bragg gratings: refractive index sensing. <i>Optics Express</i> , <b>2014</b> , 22, 1480-9	3.3	56
214	Genotyping single nucleotide polymorphisms using different molecular beacon multiplexed within a suspended core optical fiber. <i>Sensors</i> , <b>2014</b> , 14, 14488-99	3.8	6
213	Fibre tip sensors for localised temperature sensing based on rare earth-doped glass coatings. <i>Sensors</i> , <b>2014</b> , 14, 21693-701	3.8	26

212	Self-formed cavity quantum electrodynamics in coupled dipole cylindrical-waveguide systems. <i>Optics Express</i> , <b>2014</b> , 22, 11301-11	3.3	9
211	Experimental study of chemical durability of fluorozirconate and fluoroindate glasses in deionized water. <i>Optical Materials Express</i> , <b>2014</b> , 4, 1213	2.6	19
210	3D-printed extrusion dies: a versatile approach to optical material processing. <i>Optical Materials Express</i> , <b>2014</b> , 4, 1494	2.6	81
209	Nanodiamond in tellurite glass Part I: origin of loss in nanodiamond-doped glass. <i>Optical Materials Express</i> , <b>2014</b> , 4, 2608	2.6	20
208	Tellurite microspheres for nanoparticle sensing and novel light sources. <i>Optics Express</i> , <b>2014</b> , 22, 11995-2006	3.3	25
207	Widely tunable short-infrared thulium and holmium doped fluorozirconate waveguide chip lasers. <i>Optics Express</i> , <b>2014</b> , 22, 25286-94	3.3	9
206	Nonlinear self-polarization flipping in silicon sub-wavelength waveguides: distortion, loss, dispersion, and noise effects. <i>Optics Express</i> , <b>2014</b> , 22, 27643-54	3.3	2
205	Fabrication, splicing, Bragg grating writing, and polyelectrolyte functionalization of exposed-core microstructured optical fibers. <i>Optics Express</i> , <b>2014</b> , 22, 29493-504	3.3	35
204	Generating and measuring photochemical changes inside the brain using optical fibers: exploring stroke. <i>Biomedical Optics Express</i> , <b>2014</b> , 5, 3975-80	3.5	9
203	Predicting the drawing conditions for Microstructured Optical Fiber fabrication. <i>Optical Materials Express</i> , <b>2014</b> , 4, 29	2.6	40
202	Novel polymer functionalization method for exposed-core optical fiber. <i>Optical Materials Express</i> , <b>2014</b> , 4, 1515	2.6	18
201	Computational Modeling of Die Swell of Extruded Glass Preforms at High Viscosity. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 1572-1581	3.8	7
200	Exposed core microstructured optical fiber surface plasmon resonance biosensor <b>2014</b> ,		3
199	Functionalization of exposed core fibers with multiligand binding molecules for fluorescence based ion sensing <b>2014</b> ,		1
198	Polyelectrolyte Multilayers for Surface Functionalization: Advantages and Challenges <b>2014</b> ,		1
197	High stability supercontinuum generation in lead silicate SF57 photonic crystal fibers. <i>Chinese Physics B</i> , <b>2013</b> , 22, 014215	1.2	6
196	Single-nanocrystal sensitivity achieved by enhanced upconversion luminescence. <i>Nature Nanotechnology</i> , <b>2013</b> , 8, 729-34	28.7	483
195	Chirped pulse amplification in single mode Tm: fiber using a chirped Bragg grating. <i>Applied Physics B: Lasers and Optics</i> , <b>2013</b> , 111, 299-304	1.9	7



194	Towards microstructured optical fibre sensors: surface analysis of silanised lead silicate glass. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 6782	7.1	11
193	Optical Fibres for Distributed Corrosion Sensing - Architecture and Characterisation. <i>Key Engineering Materials</i> , <b>2013</b> , 558, 522-533	0.4	4
192	Microstructured optical fibers and live cells: a water-soluble, photochromic zinc sensor. <i>Biomacromolecules</i> , <b>2013</b> , 14, 3376-9	6.9	27
191	Radiative-surface plasmon resonance for the detection of apolipoprotein E in medical diagnostics applications. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2013</b> , 9, 550-7	6	34
190	Multiplexing of radiative-surface plasmon resonance for the detection of gastric cancer biomarkers in a single optical fiber. <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 183, 454-458	8.5	29
189	Nanoliter-scale, regenerable ion sensor: sensing with a surface functionalized microstructured optical fibre. <i>RSC Advances</i> , <b>2013</b> , 3, 8308	3.7	44
188	Characterisation of a real-time fibre-coupled beryllium oxide (BeO) luminescence dosimeter in X-ray beams. <i>Radiation Measurements</i> , <b>2013</b> , 53-54, 1-7	1.5	21
187	Fluorescent polymer coated capillaries as optofluidic refractometric sensors. <i>Optics Express</i> , <b>2013</b> , 21, 11492-505	3.3	34
186	Magnetic field interaction with guided light for detection of an active gaseous medium within an optical fiber. <i>Optics Express</i> , <b>2013</b> , 21, 2491-9	3.3	1
185	Understanding the contribution of mode area and slow light to the effective Kerr nonlinearity of waveguides. <i>Optics Express</i> , <b>2013</b> , 21, 18558-71	3.3	22
184	Enhancing the radiation efficiency of dye doped whispering gallery mode microresonators. <i>Optics Express</i> , <b>2013</b> , 21, 22566-77	3.3	18
183	Lead silicate microstructured optical fibres for electro-optical applications. <i>Optics Express</i> , <b>2013</b> , 21, 31309-17	3.5	6
182	Efficient 2.9 $\mu$ m fluorozirconate glass waveguide chip laser. <i>Optics Letters</i> , <b>2013</b> , 38, 2588-91	3	29
181	Lead-germanate glasses and fibers: a practical alternative to tellurite for nonlinear fiber applications. <i>Optical Materials Express</i> , <b>2013</b> , 3, 1488	2.6	49
180	Efficient third and one-third harmonic generation in nonlinear waveguides. <i>Optics Letters</i> , <b>2013</b> , 38, 329-31	3.1	18
179	Fabrication of extruded fluoroindate optical fibers. <i>Optical Materials Express</i> , <b>2013</b> , 3, 318	2.6	25
178	Femtosecond laser induced structural changes in fluorozirconate glass. <i>Optical Materials Express</i> , <b>2013</b> , 3, 574	2.6	26
177	Luminescent properties of fluoride phosphate glass for radiation dosimetry. <i>Optical Materials Express</i> , <b>2013</b> , 3, 960	2.6	9



176	Reduction of scattering loss in fluoroindate glass fibers. <i>Optical Materials Express</i> , <b>2013</b> , 3, 1285	2.6	23
175	Identification and quantification of explosives in nanolitre solution volumes by Raman spectroscopy in suspended core optical fibers. <i>Sensors</i> , <b>2013</b> , 13, 13163-77	3.8	25
174	Terahertz dielectric waveguides. <i>Advances in Optics and Photonics</i> , <b>2013</b> , 5, 169	16.7	193
173	Sensitive detection of NaYF <sub>4</sub> : Yb/Tm nanoparticles using suspended core microstructured optical fibers <b>2013</b> ,		1
172	Nonlinear Self-Flipping of Polarization States in Asymmetric Waveguides. <i>IEEE Photonics Technology Letters</i> , <b>2012</b> , 24, 1453-1456	2.2	2
171	Lanthanide upconversion within microstructured optical fibers: improved detection limits for sensing and the demonstration of a new tool for nanocrystal characterization. <i>Nanoscale</i> , <b>2012</b> , 4, 7448-7457	3.7	14
170	Highly Nonlinear and Dispersion-Flattened Fiber Design for Ultrafast Phase-Sensitive Amplification. <i>Journal of Lightwave Technology</i> , <b>2012</b> , 30, 3440-3447	4	
169	2.1 $\mu$ m waveguide laser fabricated by femtosecond laser direct-writing in Ho <sup>3+</sup> , Tm <sup>3+</sup> :ZBLAN glass. <i>Optics Letters</i> , <b>2012</b> , 37, 996-8	3	39
168	Extruded Microstructured Fiber Lasers. <i>IEEE Photonics Technology Letters</i> , <b>2012</b> , 24, 578-580	2.2	15
167	Sensing free sulfur dioxide in wine. <i>Sensors</i> , <b>2012</b> , 12, 10759-73	3.8	15
166	Femtosecond direct-write fiber structure waveguide Bragg gratings in ZBLAN. <i>Optics Letters</i> , <b>2012</b> , 37, 3999-4001	3	16
165	Enzyme activity assays within microstructured optical fibers enabled by automated alignment. <i>Biomedical Optics Express</i> , <b>2012</b> , 3, 3304-13	3.5	9
164	Full vectorial analysis of polarization effects in optical nanowires. <i>Optics Express</i> , <b>2012</b> , 20, 14514-33	3.3	10
163	Versatile large-mode-area femtosecond laser-written Tm:ZBLAN glass chip lasers. <i>Optics Express</i> , <b>2012</b> , 20, 27503-9	3.3	41
162	Molecular beacons immobilized within suspended core optical fiber for specific DNA detection. <i>Optics Express</i> , <b>2012</b> , 20, 29378-85	3.3	27
161	Ternary tellurite glasses for the fabrication of nonlinear optical fibres. <i>Optical Materials Express</i> , <b>2012</b> , 2, 140	2.6	82
160	Surface tension and viscosity measurement of optical glasses using a scanning CO <sub>2</sub> laser. <i>Optical Materials Express</i> , <b>2012</b> , 2, 1101	2.6	28
159	Radiation dosimetry using optically stimulated luminescence in fluoride phosphate optical fibres. <i>Optical Materials Express</i> , <b>2012</b> , 2, 62	2.6	29

158	Analysis of glass flow during extrusion of optical fiber preforms. <i>Optical Materials Express</i> , <b>2012</b> , 2, 304	2.6	28
157	Extruded tellurite glass and fibers with low OH content for mid-infrared applications. <i>Optical Materials Express</i> , <b>2012</b> , 2, 432	2.6	59
156	Silica exposed-core microstructured optical fibers. <i>Optical Materials Express</i> , <b>2012</b> , 2, 1538	2.6	65
155	Bragg waveguides with low-index liquid cores. <i>Optics Express</i> , <b>2012</b> , 20, 48-62	3.3	27
154	Lanthanide upconversion nanocrystals within microstructured optical fibres; a sensitive platform for biosensing and a new tool for nanocrystal characterisation <b>2012</b> ,		1
153	Photoinduced electron transfer based ion sensing within an optical fiber. <i>Sensors</i> , <b>2011</b> , 11, 9560-72	3.8	17
152	Efficient excitation of surface plasmons in metal nanorods using large longitudinal component of high index nano fibers. <i>Optics Express</i> , <b>2011</b> , 19, 13464-79	3.3	1
151	Dipole emitters in fiber: interface effects, collection efficiency and optimization. <i>Optics Express</i> , <b>2011</b> , 19, 16182-94	3.3	14
150	Midinfrared optical rogue waves in soft glass photonic crystal fiber. <i>Optics Express</i> , <b>2011</b> , 19, 17973-8	3.3	23
149	Fabrication and supercontinuum generation in dispersion flattened bismuth microstructured optical fiber. <i>Optics Express</i> , <b>2011</b> , 19, 21135-44	3.3	29
148	Nonlinear polarization bistability in optical nanowires. <i>Optics Letters</i> , <b>2011</b> , 36, 588-90	3	5
147	Fifty percent internal slope efficiency femtosecond direct-written Tm <sup>3+</sup> :ZBLAN waveguide laser. <i>Optics Letters</i> , <b>2011</b> , 36, 1587-9	3	108
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