Tanya M Monro

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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	Single-nanocrystal sensitivity achieved by enhanced upconversion luminescence. *Nature Nanotechnology*, **2013**, 8, 729-34	28.7	483
300	Sensing with microstructured optical fibres. *Measurement Science and Technology*, **2001**, 12, 854-858	2	266
299	A full vectorial model for pulse propagation in emerging waveguides with subwavelength structures part I: Kerr nonlinearity. *Optics Express*, **2009**, 17, 2298-318	3.3	247
298	Holey optical fibers: an efficient modal model. *Journal of Lightwave Technology*, **1999**, 17, 1093-1102	4	237
297	Nonlinearity in holey optical fibers: measurement and future opportunities. *Optics Letters*, **1999**, 24, 1395-7	3	225
296	Bismuth glass holey fibers with high nonlinearity. *Optics Express*, **2004**, 12, 5082-7	3.3	196
295	Terahertz dielectric waveguides. *Advances in Optics and Photonics*, **2013**, 5, 169	16.7	193
294	Inverse design and fabrication tolerances of ultra-flattened dispersion holey fibers. *Optics Express*, **2005**, 13, 3728-36	3.3	173
293	THz porous fibers: design, fabrication and experimental characterization. *Optics Express*, **2009**, 17, 14053-5062	3.3	170
292	Extrusion of complex preforms for microstructured optical fibers. *Optics Express*, **2007**, 15, 15086-92	3.3	156
291	Porous fibers: a novel approach to low loss THz waveguides. *Optics Express*, **2008**, 16, 8845-54	3.3	149
290	Chalcogenide holey fibres. *Electronics Letters*, **2000**, 36, 1998	1.1	149
289	Mid-IR Supercontinuum Generation From Nonsilica Microstructured Optical Fibers. *IEEE Journal of Selected Topics in Quantum Electronics*, **2007**, 13, 738-749	3.8	145
288	Modeling large air fraction holey optical fibers. *Journal of Lightwave Technology*, **2000**, 18, 50-56	4	144
287	Highly nonlinear and anomalously dispersive lead silicate glass holey fibers. *Optics Express*, **2003**, 11, 3568-73	3.3	133
286	Sensing with suspended-core optical fibers. *Optical Fiber Technology*, **2010**, 16, 343-356	2.4	129
285	Cladding pumped Ytterbium-doped fiber laser with holey inner and outer cladding. *Optics Express*, **2001**, 9, 714-20	3.3	129

284	PROGRESS IN MICROSTRUCTURED OPTICAL FIBERS. *Annual Review of Materials Research*, **2006**, 36, 467-495	12.5	128
283	Nonsilica glasses for holey fibers. *Journal of Lightwave Technology*, **2005**, 23, 2046-2054	4	125
282	Detection of gold nanoparticles with different sizes using absorption and fluorescence based method. *Sensors and Actuators B: Chemical*, **2016**, 227, 117-127	8.5	118
281	Developing holey fibres for evanescent field devices. *Electronics Letters*, **1999**, 35, 1188	1.1	117
280	Extruded singlemode non-silica glass holey optical fibres. *Electronics Letters*, **2002**, 38, 546	1.1	116
279	Toward practical holey fiber technology: fabrication, splicing, modeling, and characterization. *Optics Letters*, **1999**, 24, 1203-5	3	111
278	Plasmonic Fiber Optic Refractometric Sensors: From Conventional Architectures to Recent Design Trends. *Sensors*, **2016**, 17,	3.8	108
277	Fifty percent internal slope efficiency femtosecond direct-written Tm□+:ZBLAN waveguide laser. *Optics Letters*, **2011**, 36, 1587-9	3	108
276	2R-regenerative all-optical switch based on a highly nonlinear holey fiber. *Optics Letters*, **2001**, 26, 1233-5	3	107
275	Suspended nanowires: fabrication, design and characterization of fibers with nanoscale cores. *Optics Express*, **2009**, 17, 2646-57	3.3	105
274	Fluorescent and lasing whispering gallery mode microresonators for sensing applications. *Laser and Photonics Reviews*, **2017**, 11, 1600265	8.3	101
273	Small-core silica holey fibers: nonlinearity and confinement loss trade-offs. *Journal of the Optical Society of America B: Optical Physics*, **2003**, 20, 1427	1.7	100
272	Holey fibers with random cladding distributions. *Optics Letters*, **2000**, 25, 206-8	3	96
271	Nonlinear femtosecond pulse compression at high average power levels by use of a large-mode-area holey fiber. *Optics Letters*, **2003**, 28, 1951-3	3	95
270	High-nonlinearity dispersion-shifted lead-silicate holey fibers for efficient 1-/spl mu/m pumped supercontinuum generation. *Journal of Lightwave Technology*, **2006**, 24, 183-190	4	86
269	Four-wave mixing based 10-Gb/s tunable wavelength conversion using a holey fiber with a high SBS threshold. *IEEE Photonics Technology Letters*, **2003**, 15, 440-442	2.2	83
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267	Enhancement of fluorescence-based sensing using microstructured optical fibres. *Optics Express*, **2007**, 15, 17891-901	3.3	82

266	3D-printed extrusion dies: a versatile approach to optical material processing. *Optical Materials Express*, **2014**, 4, 1494	2.6	81
265	Solid microstructured optical fiber. *Optics Express*, **2003**, 11, 2225-30	3.3	79
264	Understanding bending losses in holey optical fibers. *Optics Communications*, **2003**, 227, 317-335	2	78
263	Low loss, low dispersion and highly birefringent terahertz porous fibers. *Optics Communications*, **2009**, 282, 36-38	2	77
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261	The mathematical modelling of capillary drawing for holey fibre manufacture. *Journal of Engineering Mathematics*, **2002**, 43, 201-227	1.2	73
260	Exposed-core microstructured optical fibers for real-time fluorescence sensing. *Optics Express*, **2009**, 17, 18533-42	3.3	72
259	Detection of quantum-dot labelled proteins using soft glass microstructured optical fibers. *Optics Express*, **2007**, 15, 17819-26	3.3	71
258	Raman effects in a highly nonlinear holey fiber: amplification and modulation. *Optics Letters*, **2002**, 27, 424-6	3	67
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256	Dip biosensor based on localized surface plasmon resonance at the tip of an optical fiber. *Langmuir*, **2014**, 30, 946-54	4	65
255	Silica exposed-core microstructured optical fibers. *Optical Materials Express*, **2012**, 2, 1538	2.6	65
254	Chemical Deposition of Silver for the Fabrication of Surface Plasmon Microstructured Optical Fibre Sensors. *Plasmonics*, **2011**, 6, 133-136	2.4	61
253	Fluorescence-based aluminum ion sensing using a surface-functionalized microstructured optical fiber. *Langmuir*, **2011**, 27, 5680-5	4	61
252	A holey fiber-based nonlinear thresholding device for optical CDMA receiver performance enhancement. *IEEE Photonics Technology Letters*, **2002**, 14, 876-878	2.2	61
251	Diamond in tellurite glass: a new medium for quantum information. *Advanced Materials*, **2011**, 23, 2806-10	14	59
250	Extruded tellurite glass and fibers with low OH content for mid-infrared applications. *Optical Materials Express*, **2012**, 2, 432	2.6	59
249	Soliton transmission and supercontinuum generation in holey fiber, using a diode pumped Ytterbium fiber source. *Optics Express*, **2002**, 10, 382-7	3.3	58

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247	Energy level decay and excited state absorption processes in erbium-doped tellurite glass. *Journal of Applied Physics*, **2011**, 110, 083111	2.5	56
246	Observation of Self-Trapping of Light in a Self-Written Channel in a Photosensitive Glass. *Physical Review Letters*, **1998**, 80, 4072-4075	7.4	56
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244	Self-similar evolution of self-written waveguides. *Optics Letters*, **1998**, 23, 268-70	3	54
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237	Comparative study of large-mode holey and conventional fibers. *Optics Letters*, **2001**, 26, 1045-7	3	51
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223	Versatile large-mode-area femtosecond laser-written Tm:ZBLAN glass chip lasers. *Optics Express*, **2012**, 20, 27503-9	3.3	41
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