Tanya M Monro

List of Publications by Year
in descending order

415	14,113	16451 64	29157 104
papers	citations	h-index	g-index

416	416	416	8104
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A biophotonic approach to measure pH in small volumes in vitro: Quantifiable differences in metabolic flux around the cumulusâ€oocyteâ€complex (COC). Journal of Biophotonics, 2020, 13, e201960038.	2.3	7
2	Light-Sheet Skew Ray-Enhanced Localized Surface Plasmon Resonance-Based Chemical Sensing. ACS Sensors, 2020, 5, 127-132.	7.8	3
3	Localized surface plasmons excited by skew rays. , 2020, , .		0
4	Correlated Eigenvalues of Multi-Soliton Optical Communications. Scientific Reports, 2019, 9, 6399.	3.3	14
5	Optical hygrometer using light-sheet skew-ray probed multimode fiber with polyelectrolyte coating. Sensors and Actuators B: Chemical, 2019, 296, 126685.	7.8	9
6	Radiated and guided optical waves of a magnetic dipole-nanofiber system. Scientific Reports, 2019, 9, 3568.	3.3	4
7	Short-Range Non-Bending Fully Distributed Water/Humidity Sensors. Journal of Lightwave Technology, 2019, 37, 2014-2022.	4.6	6
8	Light-Sheet Skew-Ray Enhanced Pump-Absorption for Sensing. Journal of Lightwave Technology, 2019, 37, 2140-2146.	4.6	5
9	Passively Mode-Locked Depressed-Cladding Waveguide Laser in Yb Fluorozirconate Glass. , 2019, , .		0
10	Towards new fiber optic sensors based on the vapor deposited conducting polymer PEDOT:Tos. Optical Materials Express, 2019, 9, 4517.	3.0	4
11	Novel concepts for sensing, imaging and mode generation in fibers using high-index glass. , 2019, , .		0
12	Enhanced terahertz magnetic dipole response by subwavelength fiber. APL Photonics, 2018, 3, 051701.	5.7	6
13	Magnetically sensitive nanodiamond-doped tellurite glass fibers. Scientific Reports, 2018, 8, 1268.	3.3	44
14	Luminescent Capillaryâ€Based Whispering Gallery Mode Sensors: Crossing the Lasing Threshold. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1700619.	1.8	6
15	Dipole-fiber system: from single photon source to metadevices. Frontiers of Optoelectronics, 2018, 11, 30-36.	3.7	0
16	Recent Progress in Advanced Humidity Sensors. Journal of Physics: Conference Series, 2018, 1065, 252008.	0.4	0
17	Double edge-diffraction mediated virtual shadow for distance metrology. New Journal of Physics, 2018, 20, 103029.	2.9	2
18	Control of Molecular Recognition via Modulation of the Nanoenvironment. ACS Applied Materials & Interfaces, 2018, 10, 41866-41870.	8.0	4

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19	Mode-Splitting for Refractive Index Sensing in Fluorescent Whispering Gallery Mode Microspheres with Broken Symmetry. Sensors, 2018, 18, 2987.	3.8	13
20	Synchronised dual-wavelength mode-locking in waveguide lasers. Scientific Reports, 2018, 8, 7821.	3.3	10
21	Towards rewritable multilevel optical data storage in single nanocrystals. Optics Express, 2018, 26, 12266.	3.4	38
22	Widely tunable, high slope efficiency waveguide lasers in a Yb-doped glass chip operating at 1â€‰â€‰Î¼m. Optics Letters, 2018, 43, 1902.	3.3	12
23	Optical Microfiber Technology for Current, Temperature, Acceleration, Acoustic, Humidity and Ultraviolet Light Sensing. Sensors, 2018, 18, 72.	3.8	22
24	Femtosecond-laser-written Microstructured Waveguides in BK7 Glass. Scientific Reports, 2018, 8, 10377.	3.3	23
25	Force Sensors Using the Skew-Ray-Probed Plastic Optical Fibers. IEEE Photonics Journal, 2018, 10, 1-8.	2.0	6
26	Nitric oxide optical fiber sensor based on exposed core fibers and CdTe/CdS quantum dots. Sensors and Actuators B: Chemical, 2018, 273, 9-17.	7.8	39
27	A six-strut suspended core fiber for cylindrical vector mode generation and propagation. Optics Express, 2018, 26, 32037.	3.4	3
28	Lasing Microresonators: A New Paradigm for Biosensing Applications. , 2018, , .		0
29	Mode-splitting for refractive index sensing in fluorescent whispering gallery mode resonators with broken symmetry. , 2018, , .		0
30	Using the lasing threshold in whispering gallery mode resonators for refractive index sensing. , 2018, , .		1
31	Rewritable multilevel optical data storage in BaFCl nanocrystals. , 2018, , .		0
32	Towards rewritable multilevel optical data storage in single nanocrystals. Optics Express, 2018, 26, 12266-12276.	3.4	8
33	Photodetector based on Vernier-Enhanced Fabry-Perot Interferometers with a Photo-Thermal Coating. Scientific Reports, 2017, 7, 41895.	3.3	4
34	Mode-locked sub 200 fs laser pulses from an Er-Yb-Ce ZBLAN waveguide laser. , 2017, , .		0
35	High temperature sensing with single material silica optical fibers. , 2017, , .		0
36	Fluorescent and lasing whispering gallery mode microresonators for sensing applications. Laser and Photonics Reviews, 2017, 11, 1600265.	8.7	156

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37	Ultra-fast Hygrometer based on U-shaped Optical Microfiber with Nanoporous Polyelectrolyte Coating. Scientific Reports, 2017, 7, 7943.	3.3	27
38	A portable device for cancer margin assessment using a pH sensitive optical fibre probe. , 2017, , .		0
39	Ultrafast colorimetric humidity-sensitive polyelectrolyte coating for touchless control. Materials Horizons, 2017, 4, 72-82.	12.2	54
40	A comparative study of the fluorescence and photostability of common photoswitches in microstructured optical fibre. Sensors and Actuators B: Chemical, 2017, 239, 474-480.	7.8	7
41	Super-fast optical hygrometer probe based on polyelectrolyte-coated fiber taper. , 2017, , .		0
42	Enhanced electric and magnetic response of a THz sub-wavelength fiber excited by a localized source. , 2017, , .		1
43	A numerical study of single-pulse dual-wavelength mode-locked waveguide laser. , 2017, , .		0
44	Radial position measurement of defects within optical fibers using skew rays interrogation. , 2017, , .		0
45	Nanofilm-induced spectral tuning of third harmonic generation. Optics Letters, 2017, 42, 1812.	3.3	10
46	Unified theory of whispering gallery multilayer microspheres with single dipole or active layer sources. Optics Express, 2017, 25, 6192.	3.4	14
47	Plasmonic Fiber Optic Refractometric Sensors: From Conventional Architectures to Recent Design Trends. Sensors, 2017, 17, 12.	3.8	175
48	Determining the geometric parameters of microbubble resonators from their spectra. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 44.	2.1	3
49	Determining the geometric parameters of microbubble resonators from their spectra. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 2699.	2.1	0
50	A Unified Model for Active Multilayer Microsphere Resonators. , 2016, , .		0
51	Enhanced radiation dosimetry of fluoride phosphate glass optical fibres by terbium (III) doping. Optical Materials Express, 2016, 6, 3692.	3.0	23
52	Surface Analysis and Treatment of Extruded Fluoride Phosphate Glass Preforms for Optical Fiber Fabrication. Journal of the American Ceramic Society, 2016, 99, 1874-1877.	3.8	8
53	Exploiting surface plasmon scattering on optical fibers. , 2016, , .		0
54	Cancer Detection in Human Tissue Samples Using a Fiber-Tip pH Probe. Cancer Research, 2016, 76, 6795-6801.	0.9	26

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55	Optofluidic whispering gallery mode microcapillary lasers for refractive index sensing. Proceedings of SPIE, 2016, , .	0.8	0
56	Using whispering gallery mode micro lasers for biosensing within undiluted serum. Proceedings of SPIE, 2016, , .	0.8	2
57	Biosensors for detecting stress in developing embryos. Proceedings of SPIE, 2016, , .	0.8	0
58	Combining whispering gallery mode lasers and microstructured optical fibers: limitations, applications and perspectives for in-vivo biosensing. MRS Advances, 2016, 1, 2309-2320.	0.9	1
59	Microstructured Optical Fiber-based Biosensors: Reversible and Nanoliter-Scale Measurement of Zinc Ions. ACS Applied Materials & Interfaces, 2016, 8, 12727-12732.	8.0	32
60	High temperature fiber sensor using the interference effect within a suspended core microstructured optical fiber. , 2016, , .		0
61	Strong Magnetic Response of Optical Nanofibers. ACS Photonics, 2016, 3, 972-978.	6.6	22
62	Interferometric high temperature sensor using suspended-core optical fibers. Optics Express, 2016, 24, 8967.	3.4	61
63	Er3+Active Yb3+Ce3+Co-Doped Fluorozirconate Guided-Wave Chip Lasers. IEEE Photonics Technology Letters, 2016, 28, 2315-2318.	2.5	9
64	Enhanced Pump Absorption of Active Fiber Components With Skew Rays. Journal of Lightwave Technology, 2016, 34, 5642-5650.	4.6	5
65	Quantification of the fluorescence sensing performance of microstructured optical fibers compared to multi-mode fiber tips. Optics Express, 2016, 24, 18541.	3.4	20
66	Third harmonic generation in exposed-core microstructured optical fibers. Optics Express, 2016, 24, 17860.	3.4	16
67	Dispersion analysis of whispering gallery mode microbubble resonators. Optics Express, 2016, 24, 8832.	3.4	20
68	Detection of microscopic defects in optical fiber coatings using angle-resolved skew rays. Optics Letters, 2016, 41, 4036.	3.3	5
69	Effect of surface roughness on metal enhanced fluorescence in planar substrates and optical fibers. Optical Materials Express, 2016, 6, 2128.	3.0	20
70	Ultrafast pulse generation in a mode-locked Erbium chip waveguide laser. Optics Express, 2016, 24, 27177.	3.4	28
71	Portable optical fiber probe for in vivo brain temperature measurements. Biomedical Optics Express, 2016, 7, 3069.	2.9	61
72	Integration of conductive reduced graphene oxide into microstructured optical fibres for optoelectronics applications. Scientific Reports, 2016, 6, 21682.	3.3	10

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73	Suspended Core Fibers for the Transmission of Cylindrical Vector Modes. Journal of Lightwave Technology, 2016, 34, 5620-5626.	4.6	4
74	Highly efficient valence state switching of samarium in BaFCl:Sm nanocrystals in the deep UV for multilevel optical data storage. Optical Materials Express, 2016, 6, 3097.	3.0	40
75	Lasing of whispering gallery modes in optofluidic microcapillaries. Optics Express, 2016, 24, 12466.	3.4	24
76	Fiber optic approach for detecting corrosion. , 2016, , .		3
77	Air-Clad Holmium-Doped Silica Fiber Laser. IEEE Journal of Quantum Electronics, 2016, 52, 1-8.	1.9	4
78	Temperature sensing up to 1300Â°C using suspended-core microstructured optical fibers. Optics Express, 2016, 24, 3714.	3.4	56
79	Dispersion in silica microbubble resonators. Optics Letters, 2016, 41, 1257.	3.3	25
80	Dynamic Self-Referencing Approach to Whispering Gallery Mode Biosensing and Its Application to Measurement within Undiluted Serum. Analytical Chemistry, 2016, 88, 4036-4040.	6.5	37
81	Detection of gold nanoparticles with different sizes using absorption and fluorescence based method. Sensors and Actuators B: Chemical, 2016, 227, 117-127.	7.8	148
82	Mode-Locked 305 fs laser pulses from an Er-Yb-Ce ZBLAN Waveguide Laser. , 2016, , .		0
83	Comparison of the Fluorescence Sensing Performance of Microstructured Optical Fibres and Multi-mode Fibre Tips. , 2016, , .		0
84	High Temperature Sensing with Suspended Core Fibers. , 2016, , .		0
85	Negative to positive refractive index change in borosilicate BK7 glass through MHz femtosecond laser writing. , 2016, , .		0
86	Dispersion Engineering in Whispering Gallery Mode Microbubble Resonators. , 2016, , .		0
87	A portable optical fiber probe for in vivo brain temperature measurements. Proceedings of SPIE, 2016, , .	0.8	1
88	A simple optical fibre probe for differentiation between healthy and tumorous tissue. Proceedings of SPIE, 2016, , .	0.8	0
89	Taming the Light in Microstructured Optical Fibers for Sensing. International Journal of Applied Glass Science, 2015, 6, 229-239.	2.0	35
90	Demonstration of an Exposed-Core Fiber Platform for Two-Photon Rubidium Spectroscopy. Physical Review Applied, 2015, 4, .	3.8	8

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91	Surface Plasmon Scattering in Exposed Core Optical Fiber for Enhanced Resolution Refractive Index Sensing. Sensors, 2015, 15, 25090-25102.	3.8	82
92	Distributed Wireless Monitoring System for Ullage and Temperature in Wine Barrels. Sensors, 2015, 15, 19495-19506.	3.8	10
93	A Dual Sensor for pH and Hydrogen Peroxide Using Polymer-Coated Optical Fibre Tips. Sensors, 2015, 15, 31904-31913.	3.8	37
94	Holmium-doped 21 Î¼m waveguide chip laser with an output power > 1 W. Optics Express, 2015, 23, 32664.	3.4	13
95	Boronate probes for the detection of hydrogen peroxide release from human spermatozoa. Free Radical Biology and Medicine, 2015, 81, 69-76.	2.9	39
96	Dipole-fiber systems: radiation field patterns, effective magnetic dipoles, and induced cavity modes. Proceedings of SPIE, 2015, , .	0.8	0
97	Q-factor limits for far-field detection of whispering gallery modes in active microspheres. Optics Express, 2015, 23, 28896.	3.4	38
98	A Fiber-Tip Label-Free Biological Sensing Platform: A Practical Approach toward In-Vivo Sensing. Sensors, 2015, 15, 1168-1181.	3.8	41
99	Interferometric-type optical biosensor based on exposed core microstructured optical fiber. Sensors and Actuators B: Chemical, 2015, 221, 320-327.	7.8	47
100	Atomâ€“Photon Coupling from Nitrogen-vacancy Centres Embedded in Tellurite Microspheres. Scientific Reports, 2015, 5, 11486.	3.3	6
101	Photoreduction of Sm³⁺ in Nanocrystalline BaFCl. Journal of Physical Chemistry A, 2015, 119, 6252-6256.	2.5	20
102	Polymer based whispering gallery mode laser for biosensing applications. Applied Physics Letters, 2015, 106, .	3.3	63
103	Whispering-gallery mode lasers for biosensing: a rationale for reducing the lasing threshold. Proceedings of SPIE, 2015, , .	0.8	0
104	Predicting the whispering gallery mode spectra of microresonators. , 2015, , .		0
105	Fibre tip pH sensor for tumor detection during surgery. , 2015, , .		2
106	Method for predicting whispering gallery mode spectra of spherical microresonators. Optics Express, 2015, 23, 9924.	3.4	20
107	Material candidates for optical frequency comb generation in microspheres. Optics Express, 2015, 23, 14784.	3.4	25
108	Optimization of whispering gallery resonator design for biosensing applications. Optics Express, 2015, 23, 17067.	3.4	28

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109	Nanodiamond in tellurite glass Part II: practical nanodiamond-doped fibers. Optical Materials Express, 2015, 5, 73.	3.0	33
110	Cross mode and polarization mixing in third and one-third harmonic generation in multi-mode waveguides. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 379.	2.1	5
111	New trends in fiber based sensors. , 2015, , .		0
112	Localised hydrogen peroxide sensing for reproductive health. Proceedings of SPIE, 2015, , .	0.8	3
113	Computational Modeling of Hole Distortion in Extruded Microstructured Optical Fiber Glass Preforms. Journal of Lightwave Technology, 2015, 33, 424-431.	4.6	7
114	Microstructured suspended core fiber for cylindrical vector beams propagation. , 2015, , .		0
115	Atom-Photon Coupling from Nitrogen-vacancy Centers Embedded in Tellurite Microspheres. , 2015, , .		0
116	On the Fundamental Limits of Far-Field Detection of Active Microsphere Whispering Gallery Modes. , 2015, , .		0
117	Low-Loss Tellurite Fibers With Embedded Nanodiamonds. , 2015, , .		0
118	Genotyping Single Nucleotide Polymorphisms Using Different Molecular Beacon Multiplexed within a Suspended Core Optical Fiber. Sensors, 2014, 14, 14488-14499.	3.8	7
119	Fibre Tip Sensors for Localised Temperature Sensing Based on Rare Earth-Doped Glass Coatings. Sensors, 2014, 14, 21693-21701.	3.8	36
120	Self-formed cavity quantum electrodynamics in coupled dipole cylindrical-waveguide systems. Optics Express, 2014, 22, 11301.	3.4	19
121	Experimental study of chemical durability of fluorozirconate and fluoroindate glasses in deionized water. Optical Materials Express, 2014, 4, 1213.	3.0	32
122	3D-printed extrusion dies: a versatile approach to optical material processing. Optical Materials Express, 2014, 4, 1494.	3.0	120
123	Nanodiamond in tellurite glass Part I: origin of loss in nanodiamond-doped glass. Optical Materials Express, 2014, 4, 2608.	3.0	27
124	Tellurite microspheres for nanoparticle sensing and novel light sources. Optics Express, 2014, 22, 11995.	3.4	29
125	Widely tunable short-infrared thulium and holmium doped fluorozirconate waveguide chip lasers. Optics Express, 2014, 22, 25286.	3.4	10
126	Nonlinear self-polarization flipping in silicon sub-wavelength waveguides: distortion, loss, dispersion, and noise effects. Optics Express, 2014, 22, 27643.	3.4	2

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127	Fabrication, splicing, Bragg grating writing, and polyelectrolyte functionalization of exposed-core microstructured optical fibers. Optics Express, 2014, 22, 29493.	3.4	51
128	Generating and measuring photochemical changes inside the brain using optical fibers: exploring stroke. Biomedical Optics Express, 2014, 5, 3975.	2.9	16
129	Predicting the drawing conditions for Microstructured Optical Fiber fabrication. Optical Materials Express, 2014, 4, 29.	3.0	44
130	Novel polymer functionalization method for exposed-core optical fiber. Optical Materials Express, 2014, 4, 1515.	3.0	20
131	Computational Modeling of Die Swell of Extruded Glass Preforms at High Viscosity. Journal of the American Ceramic Society, 2014, 97, 1572-1581.	3.8	7
132	Explosives sensing based on suspended core fiber coated with conjugated polymer. Proceedings of SPIE, 2014, , .	0.8	0
133	Exposed core microstructured optical fiber surface plasmon resonance biosensor. Proceedings of SPIE, 2014, , .	0.8	3
134	Functionalization of exposed core fibers with multiligand binding molecules for fluorescence based ion sensing. Proceedings of SPIE, 2014, , .	0.8	1
135	Interferometric fiber sensor using exposed core microstructured optical fiber for refractive index based biochemical sensing. Proceedings of SPIE, 2014, , .	0.8	0
136	Dependence of metal-enhanced fluorescence on surface roughness. , 2014, , .		1
137	Simple fabrication method for point temperature sensor probes using erbium ytterbium-coated optical fibres. , 2014, , .		0
138	Explosives detection by fluorescence quenching of conjugated polymers in suspended core optical fibers. Sensors and Actuators B: Chemical, 2014, 199, 22-26.	7.8	72
139	Dip Biosensor Based on Localized Surface Plasmon Resonance at the Tip of an Optical Fiber. Langmuir, 2014, 30, 946-954.	3.5	79
140	Dual Sensor for Cd(II) and Ca(II): Selective Nanoliter-Scale Sensing of Metal Ions. Analytical Chemistry, 2014, 86, 3268-3272.	6.5	50
141	Exposed core microstructured optical fiber Bragg gratings: refractive index sensing. Optics Express, 2014, 22, 1480.	3.4	69
142	Polyelectrolyte Multilayers for Surface Functionalization: Advantages and Challenges. , 2014, , .		1
143	Suspended core fiber for propagating vortex LP11 modes. , 2014, , .		0
144	Theoretical modeling of the Faraday effect within a gas-filled photonic bandgap fiber. , 2013, , .		0

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145	High stability supercontinuum generation in lead silicate SF57 photonic crystal fibers. Chinese Physics B, 2013, 22, 014215.	1.4	9
146	Single-nanocrystal sensitivity achieved by enhanced upconversion luminescence. Nature Nanotechnology, 2013, 8, 729-734.	31.5	569
147	Chirped pulse amplification in single mode Tm:fiber using a chirped Bragg grating. Applied Physics B: Lasers and Optics, 2013, 111, 299-304.	2.2	9
148	Whispering gallery mode and surface plasmon resonance based refractometric sensors. Proceedings of SPIE, 2013, , .	0.8	1
149	Towards microstructured optical fibre sensors: surface analysis of silanised lead silicate glass. Journal of Materials Chemistry C, 2013, 1, 6782.	5.5	13
150	Optical Fibres for Distributed Corrosion Sensing - Architecture and Characterisation. Key Engineering Materials, 2013, 558, 522-533.	0.4	4
151	Microstructured Optical Fibers and Live Cells: A Water-Soluble, Photochromic Zinc Sensor. Biomacromolecules, 2013, 14, 3376-3379.	5.4	30
152	Radiative-surface plasmon resonance for the detection of apolipoprotein E in medical diagnostics applications. Nanomedicine: Nanotechnology, Biology, and Medicine, 2013, 9, 550-557.	3.3	44
153	Multiplexing of radiative-surface plasmon resonance for the detection of gastric cancer biomarkers in a single optical fiber. Sensors and Actuators B: Chemical, 2013, 183, 454-458.	7.8	43
154	Nanoliter-scale, regenerable ion sensor: sensing with a surface functionalized microstructured optical fibre. RSC Advances, 2013, 3, 8308.	3.6	52
155	Guided-mode based Faraday rotation spectroscopy within a photonic bandgap fiber. Proceedings of SPIE, 2013, , .	0.8	1
156	Characterisation of a real-time fibre-coupled beryllium oxide (BeO) luminescence dosimeter in X-ray beams. Radiation Measurements, 2013, 53-54, 1-7.	1.4	25
157	Sensing explosives with suspended core fibers: identification and quantification using Raman spectroscopy. Proceedings of SPIE, 2013, , .	0.8	0
158	Fluorescent polymer coated capillaries as optofluidic refractometric sensors. Optics Express, 2013, 21, 11492.	3.4	40
159	Magnetic field interaction with guided light for detection of an active gaseous medium within an optical fiber. Optics Express, 2013, 21, 2491.	3.4	5
160	Understanding the contribution of mode area and slow light to the effective Kerr nonlinearity of waveguides. Optics Express, 2013, 21, 18558.	3.4	28
161	Enhancing the radiation efficiency of dye doped whispering gallery mode microresonators. Optics Express, 2013, 21, 22566.	3.4	30
162	Lead silicate microstructured optical fibres for electro-optical applications. Optics Express, 2013, 21, 31309.	3.4	9

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163	Efficient 29ÂÎ¼m fluorozirconate glass waveguide chip laser. Optics Letters, 2013, 38, 2588.	3.3	40
164	Lead-germanate glasses and fibers: a practical alternative to tellurite for nonlinear fiber applications. Optical Materials Express, 2013, 3, 1488.	3.0	68
165	Efficient third and one-third harmonic generation in nonlinear waveguides. Optics Letters, 2013, 38, 329.	3.3	25
166	Fabrication of extruded fluoroindate optical fibers. Optical Materials Express, 2013, 3, 318.	3.0	30
167	Femtosecond laser induced structural changes in fluorozirconate glass. Optical Materials Express, 2013, 3, 574.	3.0	33
168	Luminescent properties of fluoride phosphate glass for radiation dosimetry. Optical Materials Express, 2013, 3, 960.	3.0	9
169	Reduction of scattering loss in fluoroindate glass fibers. Optical Materials Express, 2013, 3, 1285.	3.0	26
170	Identification and Quantification of Explosives in Nanolitre Solution Volumes by Raman Spectroscopy in Suspended Core Optical Fibers. Sensors, 2013, 13, 13163-13177.	3.8	35
171	Terahertz dielectric waveguides. Advances in Optics and Photonics, 2013, 5, 169.	25.5	282
172	Sensitive detection of NaYF4: Yb/Tm nanoparticles using suspended core microstructured optical fibers. , 2013, , .		2
173	Sub-wavelength fluorescent polymer coatings to convert standard glass capillaries into robust microfluidic refractometric sensors. Proceedings of SPIE, 2013, , .	0.8	0
174	Nanoliter-scale, regenerable ion sensor: sensing with surface functionalized microstructured optical fiber. Proceedings of SPIE, 2013, , .	0.8	2
175	Upconversion Lasing for Index Sensing and Strong Amplitude Modulation of WGMs in Er-Yb Co-doped Tellurite Spheres. , 2013, , .		0
176	Nonlinear self polarization-flipping in silicon waveguides. , 2013, , .		0
177	Excitation and lasing of whispering gallery modes in dye doped microspheres at the tip of a microstructured optical fiber and application for a sensitive dip sensor architecture. Proceedings of SPIE, 2012, , .	0.8	2
178	Optically stimulated luminescence in fluoride phosphate glass optical fibres for radiation dosimetry. , 2012, , .		1
179	Femtosecond direct-write Ã¼berstructure waveguide Bragg gratings in ZBLAN. Optics Letters, 2012, 37, 3999.	3.3	23
180	Enzyme activity assays within microstructured optical fibers enabled by automated alignment. Biomedical Optics Express, 2012, 3, 3304.	2.9	11

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181	Full vectorial analysis of polarization effects in optical nanowires. Optics Express, 2012, 20, 14514.	3.4	12
182	Versatile large-mode-area femtosecond laser-written Tm:ZBLAN glass chip lasers. Optics Express, 2012, 20, 27503.	3.4	56
183	Molecular beacons immobilized within suspended core optical fiber for specific DNA detection. Optics Express, 2012, 20, 29378.	3.4	30
184	Ternary tellurite glasses for the fabrication of nonlinear optical fibres. Optical Materials Express, 2012, 2, 140.	3.0	103
185	Surface tension and viscosity measurement of optical glasses using a scanning CO_2 laser. Optical Materials Express, 2012, 2, 1101.	3.0	36
186	Radiation dosimetry using optically stimulated luminescence in fluoride phosphate optical fibres. Optical Materials Express, 2012, 2, 62.	3.0	34
187	Analysis of glass flow during extrusion of optical fiber preforms. Optical Materials Express, 2012, 2, 304.	3.0	31
188	Extruded tellurite glass and fibers with low OH content for mid-infrared applications. Optical Materials Express, 2012, 2, 432.	3.0	69
189	Silica exposed-core microstructured optical fibers. Optical Materials Express, 2012, 2, 1538.	3.0	76
190	Chemical and biological sensing using new optical fibre-based sensing platforms. , 2012, , .		0
191	Bragg waveguides with low-index liquid cores. Optics Express, 2012, 20, 48.	3.4	33
192	Lanthanide upconversion nanocrystals within microstructured optical fibres; a sensitive platform for biosensing and a new tool for nanocrystal characterisation. , 2012, , .		2
193	Radiative-SPR platform for the detection of apolipoprotein E for use in medical diagnostics. Proceedings of SPIE, 2012, , .	0.8	1
194	A microstructured optical fiber sensor for ion-sensing based on the photoinduced electron transfer effect. Proceedings of SPIE, 2012, , .	0.8	0
195	Detection of molecular oxygen by magnetic field interaction with guided light within an optical fiber. , 2012, , .		0
196	DNA detection using molecular beacon in soft-glass microstructured optical fibers. Proceedings of SPIE, 2012, , .	0.8	1
197	Raman detection of hydrogen peroxide in suspended core optical fibers. , 2012, , .		0
198	Recent progress in theory of nonlinear pulse propagation in subwavelength waveguides. , 2012, , .		0

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199	Nonlinear Self-Flipping of Polarization States in Asymmetric Waveguides. IEEE Photonics Technology Letters, 2012, 24, 1453-1456.	2.5	5
200	Lanthanide upconversion within microstructured optical fibers: improved detection limits for sensing and the demonstration of a new tool for nanocrystal characterization. Nanoscale, 2012, 4, 7448.	5.6	18
201	Highly Nonlinear and Dispersion-Flattened Fiber Design for Ultrafast Phase-Sensitive Amplification. Journal of Lightwave Technology, 2012, 30, 3440-3447.	4.6	0
202	21 Î¼m waveguide laser fabricated by femtosecond laser direct-writing in Ho^3+, Tm^3+:ZBLAN glass. Optics Letters, 2012, 37, 996.	3.3	47
203	Suspended core optical fibers for biological applications using UV wavelengths. Proceedings of SPIE, 2012, , .	0.8	0
204	Extruded Microstructured Fiber Lasers. IEEE Photonics Technology Letters, 2012, 24, 578-580.	2.5	20
205	Sensing Free Sulfur Dioxide in Wine. Sensors, 2012, 12, 10759-10773.	3.8	26
206	Diamond in Glass, a New Platform for Quantum Photonics. , 2012, , .		0
207	Towards hybrid diamond optical devices. , 2011, , .		0
208	Simple binary stack analysis via a phase space transformation. , 2011, , .		0
209	Feasibility investigation of exposed-core fiber for methadone sensing in biological fluids. , 2011, , .		0
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