

Maryanne C J Large

List of Publications by Year in descending order

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36
papers

1,604
citations

516710

16
h-index

552781

26
g-index

36
all docs

36
docs citations

36
times ranked

1106
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructured polymer optical fibre. Optics Express, 2001, 9, 319.	3.4	313
2	Microstructured-core optical fibre for evanescent sensing applications. Optics Express, 2006, 14, 13056.	3.4	254
3	Continuous wave ultraviolet light-induced fiber Bragg gratings in few- and single-mode microstructured polymer optical fibers. Optics Letters, 2005, 30, 3296.	3.3	182
4	Characterization of a microstructured Zeonex terahertz fiber. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 1013.	2.1	124
5	Opening up optical fibres. Optics Express, 2007, 15, 11843.	3.4	92
6	Hollow-core microstructured polymer optical fiber. Optics Letters, 2006, 31, 172.	3.3	88
7	Surface enhanced Raman scattering in a hollow core microstructured optical fiber. Optics Express, 2007, 15, 13675.	3.4	85
8	The role of viscoelastic properties in strain testing using microstructured polymer optical fibres (mPOF). Measurement Science and Technology, 2009, 20, 034014.	2.6	80
9	Microstructured Polymer Optical Fibres. , 2008, , .		63
10	Side-hole fiber sensor based on surface plasmon resonance. Optics Letters, 2009, 34, 3890.	3.3	51
11	Microstructured Polymer Optical Fibres: New Opportunities and Challenges. Molecular Crystals and Liquid Crystals, 2006, 446, 219-231.	0.9	37
12	Microstructured Polymer Optical Fibers Compared to Conventional POF: Novel Properties and Applications. IEEE Sensors Journal, 2010, 10, 1213-1217.	4.7	33
13	Fiber metamaterials with negative magnetic permeability in the terahertz. Optical Materials Express, 2011, 1, 115.	3.0	26
14	Multiplexed FBG sensor recorded in multimode microstructured polymer optical fibre. Proceedings of SPIE, 2010, , .	0.8	23
15	Analysis of ring-structured Bragg fibres for single TE mode guidance. Optics Express, 2004, 12, 2688.	3.4	20
16	Bend loss in highly multimode fibres. Optics Express, 2008, 16, 18590.	3.4	20
17	Color, iridescence, and thermoregulation in Lepidoptera. Applied Optics, 2008, 47, 5235.	2.1	19
18	Low Loss and Temperature Stable Microstructured Polymer Optical Fibers. Journal of Lightwave Technology, 2012, 30, 192-197.	4.6	16

#	ARTICLE	IF	CITATIONS
19	Spatial dispersion in three-dimensional drawn magnetic metamaterials. Optics Express, 2012, 20, 11924.	3.4	14
20	Temperature sensitivity of Bragg gratings in PMMA and TOPAS microstructured polymer optical fibres. Proceedings of SPIE, 2008, , .	0.8	13
21	Thermally drawn biodegradable fibers with tailored topography for biomedical applications. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2021, 109, 733-743.	3.4	11
22	Evolutionary design of single-mode microstructured polymer optical fibres using an artificial embryogeny representation. , 2007, , .		10
23	Performance Optimization of Polymer Fibre Actuators for Soft Robotics. Polymers, 2020, 12, 454.	4.5	8
24	Strain sensing using long period gratings in microstructured polymer optical fibres. Proceedings of SPIE, 2011, , .	0.8	5
25	Increasing the Numerical Aperture of Large-Core Microstructured Polymer Optical Fibers Using a Λ -Bridge Cladding. Journal of Lightwave Technology, 2009, 27, 1610-1616.	4.6	4
26	Transmission characteristics of lens-duct and photonic crystal waveguides in the terahertz region. Journal of the Optical Society of America B: Optical Physics, 2009, 26, A95.	2.1	3
27	Thermally drawn polycaprolactone fibres with customised cross sections. , 2019, , .		3
28	Slotted microstructured optical fibers. Proceedings of SPIE, 2008, , .	0.8	2
29	Optical biomimetics. , 2012, , .		2
30	Long period fibre gratings photoinscribed in a microstructured polymer optical fibre by UV radiation. Proceedings of SPIE, 2009, , .	0.8	1
31	Multimaterial and Flexible Devices Made by Fiber Drawing. , 2020, , .		1
32	Melt polymer drawn single and multi-capillary fibre-based electroosmotic pumps. Microfluidics and Nanofluidics, 2022, 26, .	2.2	1
33	The role of material properties in the strain testing using microstructured Polymer Optical Fibres (mPOF). Proceedings of SPIE, 2008, , .	0.8	0
34	Editorial Special Issue on Photonic Crystal-Based Sensors. IEEE Sensors Journal, 2010, 10, 1167-1168.	4.7	0
35	Impact of polymer material properties on microstructured optical fibres. Frontiers of Optoelectronics in China, 2010, 3, 99-102.	0.2	0
36	Spatial dispersion management in three-dimensional drawn magnetic metamaterials. , 2012, , .		0