

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	Melt polymer drawn single and multi-capillary fibre-based electroosmotic pumps. <i>Microfluidics and Nanofluidics</i> , 2022, 26, .	2.2	1
2	Thermally drawn biodegradable fibers with tailored topography for biomedical applications. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2021, 109, 733-743.	3.4	11
3	Multimaterial and Flexible Devices Made by Fiber Drawing. , 2020, , .		1
4	Performance Optimization of Polymer Fibre Actuators for Soft Robotics. <i>Polymers</i> , 2020, 12, 454.	4.5	8
5	Thermally drawn polycaprolactone fibres with customised cross sections. , 2019, , .		3
6	Spatial dispersion in three-dimensional drawn magnetic metamaterials. <i>Optics Express</i> , 2012, 20, 11924.	3.4	14
7	Spatial dispersion management in three-dimensional drawn magnetic metamaterials. , 2012, , .		0
8	Low Loss and Temperature Stable Microstructured Polymer Optical Fibers. <i>Journal of Lightwave Technology</i> , 2012, 30, 192-197.	4.6	16
9	Optical biomimetics. , 2012, , .		2
10	Characterization of a microstructured Zeonex terahertz fiber. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011, 28, 1013.	2.1	124
11	Fiber metamaterials with negative magnetic permeability in the terahertz. <i>Optical Materials Express</i> , 2011, 1, 115.	3.0	26
12	Strain sensing using long period gratings in microstructured polymer optical fibres. <i>Proceedings of SPIE</i> , 2011, , .	0.8	5
13	Editorial Special Issue on Photonic Crystal-Based Sensors. <i>IEEE Sensors Journal</i> , 2010, 10, 1167-1168.	4.7	0
14	Impact of polymer material properties on microstructured optical fibres. <i>Frontiers of Optoelectronics in China</i> , 2010, 3, 99-102.	0.2	0
15	Multiplexed FBC sensor recorded in multimode microstructured polymer optical fibre. <i>Proceedings of SPIE</i> , 2010, , .	0.8	23
16	Microstructured Polymer Optical Fibers Compared to Conventional POF: Novel Properties and Applications. <i>IEEE Sensors Journal</i> , 2010, 10, 1213-1217.	4.7	33
17	The role of viscoelastic properties in strain testing using microstructured polymer optical fibres (mPOF). <i>Measurement Science and Technology</i> , 2009, 20, 034014.	2.6	80
18	Side-hole fiber sensor based on surface plasmon resonance. <i>Optics Letters</i> , 2009, 34, 3890.	3.3	51

#	ARTICLE	IF	CITATIONS
19	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
20	Increasing the Numerical Aperture of Large-Core Microstructured Polymer Optical Fibers Using a Γ -Bridge Cladding. Journal of Lightwave Technology, 2009, 27, 1610-1616.	4.6	4
21	Long period fibre gratings photoinscribed in a microstructured polymer optical fibre by UV radiation. Proceedings of SPIE, 2009, , .	0.8	1
22	Color, iridescence, and thermoregulation in Lepidoptera. Applied Optics, 2008, 47, 5235.	2.1	19
23	Bend loss in highly multimode fibres. Optics Express, 2008, 16, 18590.	3.4	20
24	Slotted microstructured optical fibers. Proceedings of SPIE, 2008, , .	0.8	2
25	The role of material properties in the strain testing using microstructured Polymer Optical Fibres (mPOF). Proceedings of SPIE, 2008, , .	0.8	0
26	Temperature sensitivity of Bragg gratings in PMMA and TOPAS microstructured polymer optical fibres. Proceedings of SPIE, 2008, , .	0.8	13
27	Microstructured Polymer Optical Fibres. , 2008, , .		63
28	Evolutionary design of single-mode microstructured polymer optical fibres using an artificial embryogeny representation. , 2007, , .		10
29	Opening up optical fibres. Optics Express, 2007, 15, 11843.	3.4	92
30	Surface enhanced Raman scattering in a hollow core microstructured optical fiber. Optics Express, 2007, 15, 13675.	3.4	85
31	Hollow-core microstructured polymer optical fiber. Optics Letters, 2006, 31, 172.	3.3	88
32	Microstructured-core optical fibre for evanescent sensing applications. Optics Express, 2006, 14, 13056.	3.4	254
33	Microstructured Polymer Optical Fibres: New Opportunities and Challenges. Molecular Crystals and Liquid Crystals, 2006, 446, 219-231.	0.9	37
34	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
35	Analysis of ring-structured Bragg fibres for single TE mode guidance. Optics Express, 2004, 12, 2688.	3.4	20
36	Microstructured polymer optical fibre. Optics Express, 2001, 9, 319.	3.4	313