

Mariusz Makara

List of Publications by Year in descending order

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49
papers

402
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1040056

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49
all docs

49
docs citations

49
times ranked

292
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly birefringent microstructured fibers with enhanced sensitivity to hydrostatic pressure. Optics Express, 2010, 18, 15113.	3.4	137
2	Experimental and theoretical investigations of birefringent holey fibers with a triple defect. Applied Optics, 2005, 44, 2652.	2.1	59
3	Control Over the Pressure Sensitivity of Bragg Grating-Based Sensors in Highly Birefringent Microstructured Optical Fibers. IEEE Photonics Technology Letters, 2012, 24, 527-529.	2.5	37
4	Measurements of sensitivity to hydrostatic pressure and temperature in highly birefringent photonic crystal fibers. Optical and Quantum Electronics, 2007, 39, 481-489.	3.3	23
5	Influence of Fiber Orientation on Femtosecond Bragg Grating Inscription in Pure Silica Microstructured Optical Fibers. IEEE Photonics Technology Letters, 2011, 23, 1832-1834.	2.5	22
6	Highly birefringent dual-mode microstructured fiber with enhanced polarimetric strain sensitivity of the second order mode. Optics Express, 2012, 20, 26996.	3.4	19
7	Spectral-Domain Measurements of Birefringence and Sensing Characteristics of a Side-Hole Microstructured Fiber. Sensors, 2013, 13, 11424-11438.	3.8	18
8	Measurement of birefringence and ellipticity of polarization eigenmodes in spun highly birefringent fibers using spectral interferometry and lateral point-force method. Optics Express, 2018, 26, 34185.	3.4	12
9	Bend-induced long period grating in a helical core fiber. Optics Letters, 2020, 45, 1595.	3.3	11
10	Spectral-Domain Measurement of Strain Sensitivity of a Two-Mode Birefringent Side-Hole Fiber. Sensors, 2012, 12, 12070-12081.	3.8	8
11	Technology of suspended core microstructured optical fibers for evanesced wave and plasmon resonance optical fiber sensors. , 2008, , .		6
12	IR femtosecond pulsed laser-based fiber Bragg grating inscription in a photonic crystal fiber using a phase mask and a short focal length lens. Optics Express, 2018, 26, 14741.	3.4	6
13	Polarimetric Sensitivity to Torsion in Spun Highly Birefringent Fibers. Sensors, 2019, 19, 1639.	3.8	6
14	Polarizing Properties of Photonic Crystal Fibers. , 2006, , .		4
15	<title>Supercontinuum generation in suspended core microstructured optical fibers</title>. , 2008, , .		4
16	Very high polarimetric sensitivity to strain of second order mode of highly birefringent microstructured fibre. , 2011, , .		4
17	<title>Experimental investigation of the effect of protective coatings on temperature sensitivity of side-hole optical fibers</title>. , 1997, 3189, 38.		3
18	Microstructured low and high birefringence four core fibers for sensing applications. , 2006, 6189, 77.		3

#	ARTICLE	IF	CITATIONS
19	Sensing with photonic crystal fibres. , 2007, , .		3
20	A fiber optic temperature sensor based on multi-core microstructured fiber with coupled cores for high temperature environment. , 2018, , .		3
21	V type high birefringent PCF fiber for hydrostatic pressure sensing. Photonics Letters of Poland, 2010, 2, .	0.4	3
22	<title>Experimental determination of effect of selected parameters of MCVD process on the properties of formed SiO ₂ particles</title>. , 1997, 3189, 12.		2
23	Analysis of birefringent doped-core holey fibers for Bragg gratings. , 2005, 5855, 351.		2
24	Sensing properties of Bragg grating in highly birefringent and single mode photonic crystal fiber. , 2007, , .		2
25	Multicore optical fibres for next generation telecommunication transmission systems and components. Photonics Letters of Poland, 2015, 7, .	0.4	2
26	<title>Experimental structures of silica holey fibers with triangular lattice</title>. , 2004, , .		1
27	Pressure sensitivity of the birefringent photonic crystal fiber with triple defect. , 2004, , .		1
28	<title>Sensing applications of photonic crystal fibres</title>. , 2007, , .		1
29	Influence of diffusion of water during production process of single-mode fibers on their loss. , 2000, 4239, 44.		0
30	Technical aspects of hybrid method of optical fibers production for telecommunication uses. , 2001, , .		0
31	Application of reactivity atmospheres to purification of silica glass during its synthesis by colloidal sol-gel method. , 2001, , .		0
32	<title>Experimental holey fibers</title>. , 2003, 5028, 26.		0
33	<title>Silica glass purification effect in an OICVD method of optical fibers production</title>. , 2003, 5028, 177.		0
34	<title>The ytterbium-doped double-clad optical fiber for applications in fiber lasers</title>. , 2004, , .		0
35	Theoretical investigations of birefringent holey fiber of new construction. , 2005, , .		0
36	Temperature sensitivity in birefringent photonic crystal fiber with triple defect. , 2005, , .		0

#	ARTICLE	IF	CITATIONS
37	Measurements of hydrostatic pressure and temperature sensitivity in birefringent holey fibers. , 2006, 6182, 586.		0
38	Investigations of birefringence of the fundamental and the higher order modes in index guiding photonic crystal fiber. , 2007, , .		0
39	Highly birefringent holey fibers with zero polarimetric sensitivity to temperature. Proceedings of SPIE, 2008, , .	0.8	0
40	<title>Measurements of HB photonic crystal fibers with low temperature sensitivity</title>. Proceedings of SPIE, 2008, , .	0.8	0
41	<title>Measurement of modal birefringence and temperature sensitivity of birefringent holey fibers</title>. , 2008, , .		0
42	All-fiber 1 x 7 optical power splitter. Proceedings of SPIE, 2015, , .	0.8	0
43	Seven-core active fibre for application in telecommunication satellites. Proceedings of SPIE, 2015, , .	0.8	0
44	Phase mask-based IR femtosecond grating inscription in a photonic crystal fiber with short focal length cylindrical lens. , 2018, , .		0
45	Numerical and Experimental Study on the IR Femtosecond Laser and Phase Mask-Based Grating Inscription in Photonic Crystal Fibers. , 2019, , .		0
46	Measurements of Temperature Sensitivity in Index-Guided Highly Birefringent Photonic Crystal Fibres. , 2006, , .		0
47	All-fiber intensity bend sensor based on photonic crystal fiber with asymmetric air-hole structure. , 2017, , .		0
48	Polarimetric sensitivity to torsion and temperature in highly birefringent spun side-hole fibers. , 2019, , .		0
49	Phase-shifted Bragg grating inscription in photonic crystal fibers by UV phase mask beam stop technique. , 2020, , .		0