Gabriela Statkiewicz-Barabach

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1167693/publications.pdf

Version: 2024-02-01

81 papers	1,231 citations	331670 21 h-index	377865 34 g-index
81 all docs	81 docs citations	81 times ranked	836 citing authors

#	Article	IF	Citations
1	Ceramic surface relief gratings imprinted on an optical fiber tip. Applied Optics, 2022, 61, 6128.	1.8	1
2	Method for increasing coupling efficiency between helical-core and standard single-mode fibers. Optics Express, 2021, 29, 5343.	3.4	2
3	Conversion of LP₁₁ modes to vortex modes in a gradually twisted highly birefringent optical fiber. Optics Letters, 2021, 46, 4446.	3.3	12
4	The Influence of Germanium Concentration in the Fiber Core on Temperature Sensitivity in Rayleigh Scattering-Based OFDR. IEEE Sensors Journal, 2021, 21, 20036-20044.	4.7	5
5	Twist Induced Mode Confinement in Partially Open Ring of Holes. Journal of Lightwave Technology, 2020, 38, 1372-1381.	4.6	6
6	Experimental Analysis of Bragg Reflection Peak Splitting in Gratings Fabricated Using a Multiple Order Phase Mask. Sensors, 2019, 19, 433.	3.8	0
7	Polarimetric Sensitivity to Torsion in Spun Highly Birefringent Fibers. Sensors, 2019, 19, 1639.	3.8	6
8	Polarimetric sensitivity to torsion and temperature in highly birefringent spun side-hole fibers. , 2019, , .		0
9	The Fiber Connection Method Using a Tapered Silica Fiber Tip for Microstructured Polymer Optical Fibers. Fibers, 2018, 6, 4.	4.0	1
10	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
11	Fabry-Perot cavity based on polymer FBG as refractive index sensor. Optics Communications, 2017, 394, 37-40.	2.1	21
12	Bragg grating-based Fabryâ€“Perot interferometer fabricated in a polymer fiber for sensing with improved resolution. Journal of Optics (United Kingdom), 2017, 19, 015609.	2.2	9
13	Hydrostatic Pressure and Temperature Measurements Using an In-Line Mach-Zehnder Interferometer Based on a Two-Mode Highly Birefringent Microstructured Fiber. Sensors, 2017, 17, 1648.	3.8	9
14	Refractive index sensor using a Fabry-Perot cavity in polymer fiber. , 2017, , .		0
15	Polymer and tapered silica fiber connection for polymer fiber sensor application. , 2017, , .		0
16	Comparison of growth dynamics and temporal stability of Bragg gratings written in polymer fibers of different types. Journal of Optics (United Kingdom), 2015, 17, 085606.	2.2	8
17	Inscription of long period gratings using an ultraviolet laser beam in the diffusion-doped microstructured polymer optical fiber. Applied Optics, 2015, 54, 6327.	2.1	4
18	Higher-order rocking filters induced mechanically in fibers with different birefringence dispersion. Applied Optics, 2014, 53, 1258.	1.8	5

#	Article	IF	Citations
19	Rocking filter induced mechanically in a highly birefringent microstructured polymer fiber. Applied Optics, 2014, 53, 7729.	2.1	0
20	Gender differences in the interaction between heart rate and its variability â€" How to use it to improve the prognostic power of heart rate variability. International Journal of Cardiology, 2014, 171, e42-e45.	1.7	28
21	Microstructured polymer optical fiber for long period gratings fabrication using an ultraviolet laser beam. Optics Letters, 2014, 39, 2242.	3.3	19
22	Hydrostatic Pressure and Strain Sensitivity of Long Period Grating Fabricated in Polymer Microstructured Fiber. IEEE Photonics Technology Letters, 2013, 25, 496-499.	2.5	28
23	How to select patients who will not benefit from ICD therapy by using heart rate and its variability?. International Journal of Cardiology, 2013, 168, 1655-1658.	1.7	35
24	How to strengthen or weaken the HRV dependence on heart rate â€" Description of the method and its perspectives. International Journal of Cardiology, 2013, 168, 1660-1663.	1.7	81
25	Fabrication of multiple Bragg gratings in microstructured polymer fibers using a phase mask with several diffraction orders. Optics Express, 2013, 21, 8521.	3.4	28
26	Fabrication of higher order Bragg gratings in microstructured polymer fibers. Proceedings of SPIE, 2013, , .	0.8	0
27	Sensing characteristics of the rocking filters in microstructured fibers optimized for hydrostatic pressure measurements. Optics Express, 2012, 20, 23320.	3.4	27
28	Highly birefringent dual-mode microstructured fiber with enhanced polarimetric strain sensitivity of the second order mode. Optics Express, 2012, 20, 26996.	3.4	19
29	Rocking filter in microstructured fiber for high resolution hydrostatic pressure measurements. , 2012, , .		0
30	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
31	Long period gratings and rocking filters written with a CO2 laser in highly-birefringent boron-doped photonic crystal fibers for sensing applications. Optics Communications, 2012, 285, 264-268.	2.1	4
32	Very high polarimetric sensitivity to strain of second order mode of highly birefringent microstructured fibre. , 2011, , .		4
33	Intermodal interferometer for strain and temperature sensing fabricated in birefringent boron doped microstructured fiber. Applied Optics, 2011, 50, 3742.	2.1	18
34	Modal interferometric sensor based in a birefringent boron-doped microstructured fiber. , 2011, , .		0
35	Rocking filter in microstructured birefringent fiber for hydrostatic pressure measurements. , 2010, , .		0
36	Polarimetric sensitivity to hydrostatic pressure and temperature in birefringent dual-core microstructured polymer fiber. , 2010, , .		0

#	Article	IF	Citations
37	Measurements of stress-optic coefficient and Young's modulus in PMMA fibers drawn under different conditions. Proceedings of SPIE, 2010, , .	0.8	8
38	Sensing characteristics of long period gratings and rocking filters based on highly birefringent boron-doped photonic crystal fiber and fabricated by a CO 2 laser. , 2010, , .		0
39	Polarizing photonic crystal fiber with low index inclusion in the core. Journal of Optics (United) Tj ETQq1 1 0.784314 rgBT /Overlock 1	2.2	5
40	Measurements of polarimetric sensitivity to hydrostatic pressure, strain and temperature in birefringent dual-core microstructured polymer fiber. Optics Express, 2010, 18, 12076.	3.4	39
41	Highly birefringent microstructured fibers with enhanced sensitivity to hydrostatic pressure. Optics Express, 2010, 18, 15113.	3.4	137
42	Measurements of stress-optic coefficient in polymer optical fibers. Optics Letters, 2010, 35, 2013.	3.3	36
43	Sensing characteristics of rocking filters fabricated in microstructured birefringent fibers. , 2009, , .		0
44	Birefringent photonic crystal fibers with zero polarimetric sensitivity to temperature. Applied Physics B: Lasers and Optics, 2009, 94, 635-640.	2.2	34
45	Broadband measurement of dispersion in a two-mode birefringent holey fiber by spectral interferometric techniques. Proceedings of SPIE, 2009, , .	0.8	0
46	Birefringence dispersion in elliptical-core fibers measured over a broad wavelength range by interferometric techniques. Proceedings of SPIE, 2009, , .	0.8	0
47	Fiber Bragg Gratings in Germanium-Doped Highly Birefringent Microstructured Optical Fibers. IEEE Photonics Technology Letters, 2008, 20, 554-556.	2.5	52
48	Highly birefringent holey fibers with zero polarimetric sensitivity to temperature. Proceedings of SPIE, 2008, , .	0.8	0
49	Birefringence in microstructure fiber with elliptical GeO_2 highly doped inclusion in the core. Optics Letters, 2008, 33, 2764.	3.3	7
50	Simultaneous measurement of multiparameters using a Sagnac interferometer with polarization maintaining side-hole fiber. Applied Optics, 2008, 47, 4841.	2.1	87
51	Sensing characteristics of rocking filter fabricated in microstructured birefringent fiber using fusion arc splicer. Optics Express, 2008, 16, 17249.	3.4	41
52	Some considerations on the transmissivity of thin metal films. Optics Express, 2008, 16, 17258.	3.4	22
53	Photonic crystal fibers for sensing applications. , 2008, , .		3
54	<title>Measurement of the chromatic dispersion in birefringent microstructured fibers by spectral interferometry</title>. , 2008, , .		0

#	Article	IF	Citations
55	Rocking filters fabricated in birefringent photonic crystal fiber. , 2008, , .		0
56	<title>Measurement of modal birefringence and temperature sensitivity of birefringent holey fibers</title>. , 2008, , .		0
57	Highly birefringent microstructured fibers for sensing applications. , 2008, , .		2
58	Sensing characteristics of rocking filter fabricated in microstructured birefringent fiber using fusion arc splicer. Optics Express, 2008, 16, 17258-68.	3.4	2
59	Measurements of polarimetric sensitivity to temperature in birefringent holey fibres. Measurement Science and Technology, 2007, 18, 3055-3060.	2.6	33
60	Sensing with photonic crystal fibres. , 2007, , .		3
61	Photonic crystal fibers: new opportunities for sensing. Proceedings of SPIE, 2007, , .	0.8	13
62	Specialty optical fibers measured by interferometric techniques. , 2007, , .		0
63	<title>Sensing applications of photonic crystal fibres</title>. , 2007, , .		1
64	Theoretical and experimental analysis of waveguiding in a two-mode birefringent holey fiber. , 2007, , .		0
65	<title>Polarizing photonic crystal fibers for different operation range</title>. Proceedings of SPIE, 2007, , .	0.8	0
66	Sensing properties of Bragg grating in highly birefringent and single mode photonic crystal fiber. , 2007, , .		2
67	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
68	<title>High birefringent photonic crystal optical fiber for Bragg gratings inscriptions</title>. Proceedings of SPIE, 2007, , .	0.8	0
69	Measurements of hydrostatic pressure and temperature sensitivity in birefringent holey fibers. , 2006, 6182, 586.		0
70	Measurement and modelling of dispersion characteristics of a two-mode birefringent holey fibre. Measurement Science and Technology, 2006, 17, 626-630.	2.6	27
71	Polarizing Properties of Photonic Crystal Fibers. , 2006, , .		4
72	<title>Dispersion measurements of the birefringent holey fiber by interferometric methods</title>. , 2006, , .		0

#	ARTICLE	IF	CITATIONS
73	Experimental and theoretical analysis of dispersion characteristics of two-mode birefringent holey fiber. , 2006, 6182, 519.		0
74	Analysis of birefringent doped-core holey fibers for Bragg gratings. , 2005, 5855, 351.		2
75	Temperature sensitivity in birefringent photonic crystal fiber with triple defect. , 2005, , .		0
76	Measurements of birefringence and its sensitivity to hydrostatic pressure and elongation in photonic bandgap hollow core fiber with residual core ellipticity. Optics Communications, 2005, 255, 175-183.	2.1	19
77	Temperature and pressure sensitivities of the highly birefringent photonic crystal fiber with core asymmetry. Applied Physics B: Lasers and Optics, 2005, 81, 325-331.	2.2	62
78	Experimental and theoretical investigations of birefringent holey fibers with a triple defect. Applied Optics, 2005, 44, 2652.	2.1	59
79	Measurements of modal birefringence and polarimetric sensitivity of the birefringent holey fiber to hydrostatic pressure and strain. Optics Communications, 2004, 241, 339-348.	2.1	78
80	Experimental characterization of the photonic bandgap holey fiber with residual core ellipticity. , 0, , .		0
81	Fiber-based vortex beam source operating in a broadband or tunable mode. Optics Express, 0, , .	3.4	1