

# Jacek Olszewski

## List of Publications by Year in descending order

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66  
papers

884  
citations

471509

17  
h-index

477307

29  
g-index

66  
all docs

66  
docs citations

66  
times ranked

619  
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	Effect of coupling between fundamental and cladding modes on bending losses in photonic crystal fibers. Optics Express, 2005, 13, 6015.	3.4	71
3	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
4	Experimental and theoretical investigations of birefringent holey fibers with a triple defect. Applied Optics, 2005, 44, 2652.	2.1	59
5	Fiber Bragg Gratings in Germanium-Doped Highly Birefringent Microstructured Optical Fibers. IEEE Photonics Technology Letters, 2008, 20, 554-556.	2.5	52
6	Experimental investigations of bending loss oscillations in large mode area photonic crystal fibers. Optics Express, 2007, 15, 13547.	3.4	40
7	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
8	Birefringent photonic crystal fibers with zero polarimetric sensitivity to temperature. Applied Physics B: Lasers and Optics, 2009, 94, 635-640.	2.2	34
9	Plug&Play Fiberâ€Coupled 73ÂkHz Singleâ€Photon Source Operating in the Telecom Oâ€Band. Advanced Quantum Technologies, 2020, 3, 2000018.	3.9	34
10	Measurements of polarimetric sensitivity to temperature in birefringent holey fibres. Measurement Science and Technology, 2007, 18, 3055-3060.	2.6	33
11	Sensing characteristics of the rocking filters in microstructured fibers optimized for hydrostatic pressure measurements. Optics Express, 2012, 20, 23320.	3.4	27
12	Method for direct coupling of a semiconductor quantum dot to an optical fiber for single-photon source applications. Optics Express, 2019, 27, 26772.	3.4	24
13	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
14	Analytical evaluation of bending loss oscillations in photonic crystal fibers. Optics Communications, 2007, 269, 261-270.	2.1	21
15	Intermodal interferometer for strain and temperature sensing fabricated in birefringent boron doped microstructured fiber. Applied Optics, 2011, 50, 3742.	2.1	18
16	Phase retrieval from spectral interferograms including a stationary-phase point. Optics Communications, 2012, 285, 4733-4738.	2.1	18
17	Spectral-Domain Measurements of Birefringence and Sensing Characteristics of a Side-Hole Microstructured Fiber. Sensors, 2013, 13, 11424-11438.	3.8	18
18	Polarizing photonic crystal fibers with wide operation range. Optics Communications, 2004, 239, 91-97.	2.1	17

#	ARTICLE	IF	CITATIONS
19	Nonlinear control of soliton pulse delay with asymmetric dual-core photonic crystal fibers. Optics Letters, 2009, 34, 920.	3.3	14
20	Photonic crystal fibers: new opportunities for sensing. Proceedings of SPIE, 2007, , .	0.8	13
21	Nonlinear frequency conversion in a birefringent microstructured fiber tuned by externally applied hydrostatic pressure. Optics Letters, 2013, 38, 5260.	3.3	13
22	Single-Polarization Single-Mode Photonic Band Gap Fiber. Acta Physica Polonica A, 2007, 111, 239-245.	0.5	10
23	Highly birefringent microstructured polymer fibers optimized for a preform drilling fabrication method. Journal of Optics (United Kingdom), 2013, 15, 075713.	2.2	9
24	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
25	Dual-Wavelength Pumped Highly Birefringent Microstructured Silica Fiber for Widely Tunable Soliton Self-Frequency Shift. Journal of Lightwave Technology, 2021, 39, 3260-3268.	4.6	9
26	Spectral-Domain Measurement of Strain Sensitivity of a Two-Mode Birefringent Side-Hole Fiber. Sensors, 2012, 12, 12070-12081.	3.8	8
27	Tailoring the photoluminescence polarization anisotropy of a single InAs quantum dash by a post-growth modification of its dielectric environment. Journal of Applied Physics, 2016, 120, .	2.5	8
28	Birefringence in microstructure fiber with elliptical GeO <sub>2</sub> highly doped inclusion in the core. Optics Letters, 2008, 33, 2764.	3.3	7
29	Birefringence analysis in photonic crystal fibers with germanium-doped core. Journal of Optics, 2009, 11, 045101.	1.5	5
30	Polarizing photonic crystal fiber with low index inclusion in the core. Journal of Optics (United Kingdom), 2009, 11, 045101.	2.2	5
31	Higher-order rocking filters induced mechanically in fibers with different birefringence dispersion. Applied Optics, 2014, 53, 1258.	1.8	5
32	Polarimetric sensitivity to hydrostatic pressure and temperature in a side-hole fiber with squeezed microstructure. Journal of Optics (United Kingdom), 2015, 17, 125609.	2.2	5
33	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
34	Polarizing Properties of Photonic Crystal Fibers. , 2006, , .		4
35	Enhancement of spectral response of Bragg gratings written in nanostructured and multi-stepped optical fibers with radially shaped GeO <sub>2</sub> concentration. Optics Express, 2020, 28, 14774.	3.4	4
36	Reducing bend-induced loss and crosstalk in a two-mode ridge waveguide by steplike thickness structuring. Applied Optics, 2022, 61, 1164.	1.8	4

#	ARTICLE	IF	CITATIONS
37	Photonic crystal fibers for sensing applications. , 2005, , .		3
38	Sensing with photonic crystal fibres. , 2007, , .		3
39	Photonic crystal fibers for sensing applications. , 2008, , .		3
40	Analysis of birefringent doped-core holey fibers for Bragg gratings. , 2005, 5855, 351.		2
41	Sensitivity of highly birefringent photonic bandgap fibers to temperature and strain. , 2005, , .		2
42	Sensing properties of Bragg grating in highly birefringent and single mode photonic crystal fiber. , 2007, , .		2
43	Effect of Dielectric Medium Anisotropy on the Polarization Degree of Emission from a Single Quantum Dash. Acta Physica Polonica A, 2016, 129, A-48-A-52.	0.5	2
44	<title>Sensing applications of photonic crystal fibres</title>. , 2007, , .		1
45	The fabrication and characterization of fiber Bragg gratings in highly birefringent photonic crystal fibers for sensing applications. Proceedings of SPIE, 2008, , .	0.8	1
46	Investigations of bending loss oscillations in large mode area photonic crystal fibers. Proceedings of SPIE, 2008, , .	0.8	1
47	Effective Method for Determining Chromatic Dispersion From a Spectral Interferogram. Journal of Lightwave Technology, 2019, 37, 1056-1062.	4.6	1
48	Ceramic surface relief gratings imprinted on an optical fiber tip. Applied Optics, 2022, 61, 6128.	1.8	1
49	Single polarization microstructured fiber with wide operation bandwidth. , 2004, 5450, 545.		0
50	Theoretical investigations of birefringent holey fiber of new construction. , 2005, , .		0
51	Temperature sensitivity in birefringent photonic crystal fiber with triple defect. , 2005, , .		0
52	Polarization properties of photonic bandgap holey fibers. , 2005, , .		0
53	Measurements of hydrostatic pressure and temperature sensitivity in birefringent holey fibers. , 2006, 6182, 586.		0
54	Investigations of birefringence of the fundamental and the higher order modes in index guiding photonic crystal fiber. , 2007, , .		0

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55	Polarization properties of all-solid photonic bandgap fibers. , 2007, , .		0
56	Asymmetric twin-core photonic crystal fiber for dispersionless all-optical delay control. , 2008, , .		0
57	Modal interferometric sensor based in a birefringent boron-doped microstructured fiber. , 2011, , .		0
58	Rocking filter in microstructured fiber for high resolution hydrostatic pressure measurements. , 2012, , .		0
59	Spectral-domain measurement of strain sensitivity of a two-mode birefringent holey fiber. Proceedings of SPIE, 2012, , .	0.8	0
60	Measurements of intermodal sensitivity of a two-mode holey fiber to strain, temperature, and hydrostatic pressure. Proceedings of SPIE, 2013, , .	0.8	0
61	Spectral-domain measurement of polarimetric sensitivity of a side-hole fiber to temperature and hydrostatic pressure. Proceedings of SPIE, 2013, , .	0.8	0
62	Spectral measurements of polarimetric sensitivity of holey fiber to strain, temperature, and hydrostatic pressure. Proceedings of SPIE, 2013, , .	0.8	0
63	Optimization of Stokes polarimeter based on a twisted nematic liquid crystal. Proceedings of SPIE, 2016, , .	0.8	0
64	&lt;title&gt;High birefringent photonic crystal optical fiber for Bragg gratings inscriptions&lt;/title&gt;. Proceedings of SPIE, 2007, , .	0.8	0
65	A method of chromatic dispersion retrieval from a zero-mean spectral interferogram. , 2018, , .		0
66	Pupil autoregulation impairment as an early marker of glaucomatous damage. Advances in Clinical and Experimental Medicine, 2019, 28, 1367-1375.	1.4	0