# 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 | Reducing bend-induced loss and crosstalk in a two-mode ridge waveguide by steplike thickness structuring. Applied Optics, 2022, 61, 1164. | 1.8 | 4 |
| 2 | Ceramic surface relief gratings imprinted on an optical fiber tip. Applied Optics, 2022, 61, 6128. | 1.8 | 1 |
| 3 | 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 |
| 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 | Plug&Play Fiberâ€Coupled 73ÂkHz Singleâ€Photon Source Operating in the Telecom Oâ€Band. Advanced Quantum Technologies, 2020, 3, 2000018. | 3.9 | 34 |
| 6 | 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 |
| 7 | Effective Method for Determining Chromatic Dispersion From a Spectral Interferogram. Journal of Lightwave Technology, 2019, 37, 1056-1062. | 4.6 | 1 |
| 8 | 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 |
| 9 | Pupil autoregulation impairment as an early marker of glaucomatous damage. Advances in Clinical and Experimental Medicine, 2019, 28, 1367-1375. | 1.4 | 0 |
| 10 | A method of chromatic dispersion retrieval from a zero-mean spectral interferogram. , 2018, , . | | 0 |
| 11 | 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 |
| 12 | 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 |
| 13 | Optimization of Stokes polarimeter based on a twisted nematic liquid crystal. Proceedings of SPIE, 2016, , . | 0.8 | 0 |
| 14 | 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 |
| 15 | 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 |
| 16 | Higher-order rocking filters induced mechanically in fibers with different birefringence dispersion. Applied Optics, 2014, 53, 1258. | 1.8 | 5 |
| 17 | Measurements of intermodal sensitivity of a two-mode holey fiber to strain, temperature, and hydrostatic pressure. Proceedings of SPIE, 2013, , . | 0.8 | 0 |
| 18 | Spectral-domain measurement of polarimetric sensitivity of a side-hole fiber to temperature and hydrostatic pressure. Proceedings of SPIE, 2013, , . | 0.8 | 0 |

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|---|---|---|---|
| 19 | Highly birefringent microstructured polymer fibers optimized for a preform drilling fabrication method. Journal of Optics (United Kingdom), 2013, 15, 075713. | 2.2 | 9 |
| 20 | Spectral measurements of polarimetric sensitivity of holey fiber to strain, temperature, and hydrostatic pressure. Proceedings of SPIE, 2013, , . | 0.8 | 0 |
| 21 | Nonlinear frequency conversion in a birefringent microstructured fiber tuned by externally applied hydrostatic pressure. Optics Letters, 2013, 38, 5260. | 3.3 | 13 |
| 22 | Spectral-Domain Measurements of Birefringence and Sensing Characteristics of a Side-Hole Microstructured Fiber. Sensors, 2013, 13, 11424-11438. | 3.8 | 18 |
| 23 | Spectral-Domain Measurement of Strain Sensitivity of a Two-Mode Birefringent Side-Hole Fiber. Sensors, 2012, 12, 12070-12081. | 3.8 | 8 |
| 24 | Sensing characteristics of the rocking filters in microstructured fibers optimized for hydrostatic pressure measurements. Optics Express, 2012, 20, 23320. | 3.4 | 27 |
| 25 | Rocking filter in microstructured fiber for high resolution hydrostatic pressure measurements. , 2012, , . | | 0 |
| 26 | 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 |
| 27 | Phase retrieval from spectral interferograms including a stationary-phase point. Optics Communications, 2012, 285, 4733-4738. | 2.1 | 18 |
| 28 | Spectral-domain measurement of strain sensitivity of a two-mode birefringent holey fiber. Proceedings of SPIE, 2012, , . | 0.8 | 0 |
| 29 | Intermodal interferometer for strain and temperature sensing fabricated in birefringent boron doped microstructured fiber. Applied Optics, 2011, 50, 3742. | 2.1 | 18 |
| 30 | Modal interferometric sensor based in a birefringent boron-doped microstructured fiber. , 2011, , . | | 0 |
| 31 | 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 |
| 32 | Highly birefringent microstructured fibers with enhanced sensitivity to hydrostatic pressure. Optics Express, 2010, 18, 15113. | 3.4 | 137 |
| 33 | Birefringence analysis in photonic crystal fibers with germanium-doped core. Journal of Optics, 2009, 11, 045101. | 1.5 | 5 |
| 34 | Birefringent photonic crystal fibers with zero polarimetric sensitivity to temperature. Applied Physics B: Lasers and Optics, 2009, 94, 635-640. | 2.2 | 34 |
| 35 | Nonlinear control of soliton pulse delay with asymmetric dual-core photonic crystal fibers. Optics Letters, 2009, 34, 920. | 3.3 | 14 |
| 36 | Fiber Bragg Gratings in Germanium-Doped Highly Birefringent Microstructured Optical Fibers. IEEE Photonics Technology Letters, 2008, 20, 554-556. | 2.5 | 52 |

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|---|---|---|---|
| 37 | Birefringence in microstructure fiber with elliptical GeO_2 highly doped inclusion in the core. Optics Letters, 2008, 33, 2764. | 3.3 | 7 |
| 38 | Photonic crystal fibers for sensing applications. , 2008, , . | | 3 |
| 39 | Asymmetric twin-core photonic crystal fiber for dispersionless all-optical delay control. , 2008, , . | | 0 |
| 40 | The fabrication and characterization of fiber Bragg gratings in highly birefringent photonic crystal fibers for sensing applications. Proceedings of SPIE, 2008, , . | 0.8 | 1 |
| 41 | Investigations of bending loss oscillations in large mode area photonic crystal fibers. Proceedings of SPIE, 2008, , . | 0.8 | 1 |
| 42 | Measurements of polarimetric sensitivity to temperature in birefringent holey fibres. Measurement Science and Technology, 2007, 18, 3055-3060. | 2.6 | 33 |
| 43 | Sensing with photonic crystal fibres. , 2007, , . | | 3 |
| 44 | Photonic crystal fibers: new opportunities for sensing. Proceedings of SPIE, 2007, , . | 0.8 | 13 |
| 45 | Investigations of birefringence of the fundamental and the higher order modes in index guiding photonic crystal fiber. , 2007, , . | | 0 |
| 46 | <title>Sensing applications of photonic crystal fibres</title>. , 2007, , . | | 1 |
| 47 | Polarization properties of all-solid photonic bandgap fibers. , 2007, , . | | 0 |
| 48 | Sensing properties of Bragg grating in highly birefringent and single mode photonic crystal fiber. , 2007, , . | | 2 |
| 49 | Experimental investigations of bending loss oscillations in large mode area photonic crystal fibers. Optics Express, 2007, 15, 13547. | 3.4 | 40 |
| 50 | Analytical evaluation of bending loss oscillations in photonic crystal fibers. Optics Communications, 2007, 269, 261-270. | 2.1 | 21 |
| 51 | 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 |
| 52 | Single-Polarization Single-Mode Photonic Band Gap Fiber. Acta Physica Polonica A, 2007, 111, 239-245. | 0.5 | 10 |
| 53 | <title>High birefringent photonic crystal optical fiber for Bragg gratings inscriptions</title>. Proceedings of SPIE, 2007, , . | 0.8 | 0 |
| 54 | Measurements of hydrostatic pressure and temperature sensitivity in birefringent holey fibers. , 2006, 6182, 586. | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Polarizing Properties of Photonic Crystal Fibers. , 2006, , . | | 4 |
| 56 | Theoretical investigations of birefringent holey fiber of new construction. , 2005, , . | | 0 |
| 57 | Analysis of birefringent doped-core holey fibers for Bragg gratings. , 2005, 5855, 351. | | 2 |
| 58 | Temperature sensitivity in birefringent photonic crystal fiber with triple defect. , 2005, , . | | 0 |
| 59 | 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 |
| 60 | Polarization properties of photonic bandgap holey fibers. , 2005, , . | | 0 |
| 61 | Sensitivity of highly birefringent photonic bandgap fibers to temperature and strain. , 2005, , . | | 2 |
| 62 | Photonic crystal fibers for sensing applications. , 2005, , . | | 3 |
| 63 | Experimental and theoretical investigations of birefringent holey fibers with a triple defect. Applied Optics, 2005, 44, 2652. | 2.1 | 59 |
| 64 | Effect of coupling between fundamental and cladding modes on bending losses in photonic crystal fibers. Optics Express, 2005, 13, 6015. | 3.4 | 71 |
| 65 | Polarizing photonic crystal fibers with wide operation range. Optics Communications, 2004, 239, 91-97. | 2.1 | 17 |
| 66 | Single polarization microstructured fiber with wide operation bandwidth. , 2004, 5450, 545. | | 0 |