

# Karolina Milenko

## List of Publications by Year in descending order

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35  
papers

506  
citations

840776

11  
h-index

677142

22  
g-index

35  
all docs

35  
docs citations

35  
times ranked

602  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication and Characterization of a Highly Temperature Sensitive Device Based on Nematic Liquid Crystal-Filled Photonic Crystal Fiber. <i>IEEE Photonics Journal</i> , 2012, 4, 1248-1255.	2.0	82
2	Photonic crystal fiber tip interferometer for refractive index sensing. <i>Optics Letters</i> , 2012, 37, 1373.	3.3	74
3	A review of optical methods for continuous glucose monitoring. <i>Applied Spectroscopy Reviews</i> , 2019, 54, 543-572.	6.7	74
4	Novel Miniaturized Fabry-Pérot Refractometer Based on a Simplified Hollow-Core Fiber With a Hollow Silica Sphere Tip. <i>IEEE Sensors Journal</i> , 2012, 12, 1239-1245.	4.7	63
5	A Compact and Temperature-Sensitive Directional Coupler Based on Photonic Crystal Fiber Filled With Liquid Crystal 6CHBT. <i>IEEE Photonics Journal</i> , 2012, 4, 2010-2016.	2.0	41
6	Influence of lamination process on optical fiber sensors embedded in composite material. <i>Measurement: Journal of the International Measurement Confederation</i> , 2012, 45, 2275-2280.	5.0	30
7	A Photonic Crystal Fiber and Fiber Bragg Grating-Based Hybrid Fiber-Optic Sensor System. <i>IEEE Sensors Journal</i> , 2012, 12, 39-43.	4.7	20
8	Intercore Coupling Effects in Multicore Optical Fiber Tapers Using Magnetic Fluid Out-Claddings. <i>Journal of Lightwave Technology</i> , 2016, 34, 5561-5565.	4.6	19
9	Silver iodide phosphate glass microsphere resonator integrated on an optical fiber taper. <i>Optics Letters</i> , 2016, 41, 2185.	3.3	16
10	Electric Field Sensing With Photonic Liquid Crystal Fibers Based on Micro-Electrodes Systems. <i>Journal of Lightwave Technology</i> , 2015, 33, 2405-2411.	4.6	13
11	Optimization of SERS Sensing With Micro-Lensed Optical Fibers and Au Nano-Film. <i>Journal of Lightwave Technology</i> , 2020, 38, 2081-2085.	4.6	12
12	Temperature-Sensitive Photonic Liquid Crystal Fiber Modal Interferometer. <i>IEEE Photonics Journal</i> , 2012, 4, 1855-1860.	2.0	10
13	Probing Stress-Induced Optical Birefringence of Glassy Polymers by Whispering Gallery Modes Light Localization. <i>ACS Omega</i> , 2017, 2, 9127-9135.	3.5	10
14	A hybrid fiber optic sensing system for simultaneous strain and temperature measurement and its applications. <i>Photonics Letters of Poland</i> , 2010, 2, .	0.4	9
15	Micro-lensed optical fibers for a surface-enhanced Raman scattering sensing probe. <i>Optics Letters</i> , 2018, 43, 6029.	3.3	6
16	Temperature-insensitive fiber optic deformation sensor embedded in composite material. <i>Photonics Letters of Poland</i> , 2009, 1, .	0.4	6
17	Surface-Enhanced Absorption Spectroscopy for Optical Fiber Sensing. <i>Materials</i> , 2020, 13, 34.	2.9	5
18	Polarimetric and Bragg Optical Fiber Sensors for Stress Distribution and Temperature Measurements in Composite Materials. <i>Acta Physica Polonica A</i> , 2011, 120, 698-701.	0.5	3

#	ARTICLE	IF	CITATIONS
19	Hybrid photonic crystal fiber selectively infiltrated with liquid crystal. , 2012, , .		2
20	Multiple Light Coupling and Routing via a Microspherical Resonator Integrated in a T-Shaped Optical Fiber Configuration System. Micromachines, 2018, 9, 521.	2.9	2
21	Feasibility of supercontinuum sources for use in glucose sensing by absorption spectroscopy. , 2019, , .		2
22	Micro-Lensed Negative-Curvature Fibre Probe for Raman Spectroscopy. Sensors, 2021, 21, 8434.	3.8	2
23	Numerical analysis of birefringence tuning in high index microstructured fiber selectively filled with liquid crystal. Proceedings of SPIE, 2013, , .	0.8	1
24	Power coupling in multicore optical fiber tapers utilizing out-cladding ferrofluids. , 2016, , .		1
25	Towards Fiber-Optic Raman Spectroscopy for Glucose Sensing. , 2018, , .		1
26	Polarization properties of polymer-based photonic crystal fibers. Photonics Letters of Poland, 2014, 6, .	0.4	1
27	A miniaturized ball-lensed fiber optic NIR transmission spectroscopy-based glucose sensor. , 2018, , .		1
28	Theoretical analysis of the Bragg fiber spectral sensitivity in the first and second-order photonic band gaps (PBG). , 2010, , .		0
29	A directional coupler based on nematic liquid crystal filled photonic crystal fiber. , 2012, , .		0
30	Interferometric photonic crystal fiber sensors. , 2014, , .		0
31	Micro-electrodes system for electric field sensing with photonic liquid crystal fibers. Proceedings of SPIE, 2014, , .	0.8	0
32	Strain tuneable whispering gallery mode resonators in the estimation of the elasto-optic parameters of soft materials. Proceedings of SPIE, 2016, , .	0.8	0
33	Light coupling and routing using a microsphere attached on the endface of a microstructured optical fiber. Proceedings of SPIE, 2016, , .	0.8	0
34	Material structure studies in strain tuneable whispering gallery mode polymeric resonators. , 2016, , .		0
35	Improving Multivariate Analysis in Mid-Infrared Spectroscopy for Biosensing. , 2018, , .		0