

# 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	Micro-Lensed Negative-Curvature Fibre Probe for Raman Spectroscopy. <i>Sensors</i> , 2021, 21, 8434.	3.8	2
2	Surface-Enhanced Absorption Spectroscopy for Optical Fiber Sensing. <i>Materials</i> , 2020, 13, 34.	2.9	5
3	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
4	A review of optical methods for continuous glucose monitoring. <i>Applied Spectroscopy Reviews</i> , 2019, 54, 543-572.	6.7	74
5	Feasibility of supercontinuum sources for use in glucose sensing by absorption spectroscopy. , 2019, , .		2
6	Multiple Light Coupling and Routing via a Microspherical Resonator Integrated in a T-Shaped Optical Fiber Configuration System. <i>Micromachines</i> , 2018, 9, 521.	2.9	2
7	Towards Fiber-Optic Raman Spectroscopy for Glucose Sensing. , 2018, , .		1
8	Micro-lensed optical fibers for a surface-enhanced Raman scattering sensing probe. <i>Optics Letters</i> , 2018, 43, 6029.	3.3	6
9	A miniaturized ball-lensed fiber optic NIR transmission spectroscopy-based glucose sensor. , 2018, , .		1
10	Improving Multivariate Analysis in Mid-Infrared Spectroscopy for Biosensing. , 2018, , .		0
11	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
12	Strain tuneable whispering gallery mode resonators in the estimation of the elasto-optic parameters of soft materials. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
13	Silver iodide phosphate glass microsphere resonator integrated on an optical fiber taper. <i>Optics Letters</i> , 2016, 41, 2185.	3.3	16
14	Light coupling and routing using a microsphere attached on the endface of a microstructured optical fiber. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
15	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
16	Power coupling in multicore optical fiber tapers utilizing out-cladding ferrofluids. , 2016, , .		1
17	Material structure studies in strain tuneable whispering gallery mode polymeric resonators. , 2016, , .		0
18	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

#	ARTICLE	IF	CITATIONS
19	Interferometric photonic crystal fiber sensors. , 2014, , .		0
20	Micro-electrodes system for electric field sensing with photonic liquid crystal fibers. Proceedings of SPIE, 2014, , .	0.8	0
21	Polarization properties of polymer-based photonic crystal fibers. Photonics Letters of Poland, 2014, 6, .	0.4	1
22	Numerical analysis of birefringence tuning in high index microstructured fiber selectively filled with liquid crystal. Proceedings of SPIE, 2013, , .	0.8	1
23	A directional coupler based on nematic liquid crystal filled photonic crystal fiber. , 2012, , .		0
24	A Compact and Temperature-Sensitive Directional Coupler Based on Photonic Crystal Fiber Filled With Liquid Crystal 6CHBT. IEEE Photonics Journal, 2012, 4, 2010-2016.	2.0	41
25	Fabrication and Characterization of a Highly Temperature Sensitive Device Based on Nematic Liquid Crystal-Filled Photonic Crystal Fiber. IEEE Photonics Journal, 2012, 4, 1248-1255.	2.0	82
26	Temperature-Sensitive Photonic Liquid Crystal Fiber Modal Interferometer. IEEE Photonics Journal, 2012, 4, 1855-1860.	2.0	10
27	Hybrid photonic crystal fiber selectively infiltrated with liquid crystal. , 2012, , .		2
28	Influence of lamination process on optical fiber sensors embedded in composite material. Measurement: Journal of the International Measurement Confederation, 2012, 45, 2275-2280.	5.0	30
29	Novel Miniaturized Fabry-Pérot Refractometer Based on a Simplified Hollow-Core Fiber With a Hollow Silica Sphere Tip. IEEE Sensors Journal, 2012, 12, 1239-1245.	4.7	63
30	A Photonic Crystal Fiber and Fiber Bragg Grating-Based Hybrid Fiber-Optic Sensor System. IEEE Sensors Journal, 2012, 12, 39-43.	4.7	20
31	Photonic crystal fiber tip interferometer for refractive index sensing. Optics Letters, 2012, 37, 1373.	3.3	74
32	Polarimetric and Bragg Optical Fiber Sensors for Stress Distribution and Temperature Measurements in Composite Materials. Acta Physica Polonica A, 2011, 120, 698-701.	0.5	3
33	Theoretical analysis of the Bragg fiber spectral sensitivity in the first and second-order photonic band gaps (PBG). , 2010, , .		0
34	A hybrid fiber optic sensing system for simultaneous strain and temperature measurement and its applications. Photonics Letters of Poland, 2010, 2, .	0.4	9
35	Temperature-insensitive fiber optic deformation sensor embedded in composite material. Photonics Letters of Poland, 2009, 1, .	0.4	6