Julia Skibina

List of Publications by Year
in descending order

50	435	840119 11	752256 20
papers	citations	h-index	g-index

50	50	50	406
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A chirped photonic-crystal fibre. Nature Photonics, 2008, 2, 679-683.	15.6	70
2	Photonic crystal fibres in biomedical investigations. Quantum Electronics, 2011, 41, 284-301.	0.3	45
3	Multispectral sensing of biological liquids with hollow-core microstructured optical fibres. Light: Science and Applications, 2020, 9, 173.	7.7	32
4	Numerical investigation of gold metasurface based broadband near-infrared and near-visible solar absorber. Physica B: Condensed Matter, 2020, 591, 412248.	1.3	32
5	Microstructured optical fiber-based luminescent biosensing: Is there any light at the end of the tunnel? - A review. Analytica Chimica Acta, 2018, 1019, 14-24.	2.6	31
6	Entering the mid-infrared. Nature Photonics, 2014, 8, 814-815.	15.6	26
7	The use of hollow-core photonic crystal fibres as biological sensors. Quantum Electronics, 2011, 41, 302-307.	0.3	22
8	Giant Nonlinear AlGaAs-Doped Glass Photonic Crystal Fibers for Efficient Soliton Generation at Femtojoule Energy. IEEE Photonics Journal, 2019, 11, 1-11.	1.0	15
9	Functionalized Microstructured Optical Fibers: Materials, Methods, Applications. Materials, 2020, 13, 921.	1.3	15
10	Enabling magnetic resonance imaging of hollow-core microstructured optical fibers via nanocomposite coating. Optics Express, 2019, 27, 9868.	1.7	13
11	Supercontinuum generation in a two-dimensional photonic kagome crystal. Applied Physics B: Lasers and Optics, 2005, 81, 209-217.	1.1	12
12	Characterization and application of chirped photonic crystal fiber in multiphoton imaging. Optics Express, 2014, 22, 10366.	1.7	11
13	The red shift of the semiconductor quantum dots luminescence maximum in the hollow core photonic crystal fibers. Optical Materials, 2017, 73, 423-427.	1.7	10
14	Microstructured Optical Waveguide-Based Endoscopic Probe Coated with Silica Submicron Particles. Materials, 2019, 12, 1424.	1.3	10
15	Light guidance up to 6.5â€…Âµm in borosilicate soft glass hollow-core microstructured optical waveguides. Optics Express, 2020, 28, 27940.	1.7	10
16	Blood typing using microstructured waveguide smart cuvette. Journal of Biomedical Optics, 2015, 20, 040503.	1.4	9
17	Controlled chemical modification of the internal surface of photonic crystal fibers for application as biosensitive elements. Optical Materials, 2016, 60, 283-289.	1.7	9
18	Microstructured optical fibers sensor modified by deep eutectic solvent: Liquid-phase microextraction and detection in one analytical device. Talanta, 2021, 232, 122305.	2.9	9

#	Article	IF	Citations
19	Hollow fiber for flexible sub-20-fs pulse delivery. Optics Letters, 2011, 36, 442.	1.7	8
20	Soft glass multi-channel capillaries as a platform for bioimprinting. Talanta, 2020, 208, 120445.	2.9	7
21	Biological sensor based on a hollow-core photonic crystal fiber. Technical Physics Letters, 2010, 36, 362-364.	0.2	6
22	Determination of blood types using a chirped photonic crystal fiber. Proceedings of SPIE, 2011, , .	0.8	6
23	Microstructured Waveguides with Polyelectrolyte-Stabilized Gold Nanostars for SERS Sensing of Dissolved Analytes. Materials, 2018, 11, 734.	1.3	6
24	Nanostructured fibers for sub-10 fs optical pulse delivery. Laser and Photonics Reviews, 2013, 7, 566-570.	4.4	5
25	Photonic Crystal Waveguide Sensing. Series in Sensors, 2013, , 1-32.	0.0	4
26	Simultaneous determination of proteins in microstructured optical fibers supported by chemometric tools. Analytical and Bioanalytical Chemistry, 2019, 411, 7055-7059.	1.9	2
27	SERS Platform Based on Hollow-Core Microstructured Optical Fiber: Technology of UV-Mediated Gold Nanoparticle Growth. Biosensors, 2022, 12, 19.	2.3	2
28	Optical transmission of hollow glass photonic-crystal fibers. Technical Physics Letters, 2005, 31, 1019-1021.	0.2	1
29	Investigation of supercontinuum generation in a two-dimensional photonic kagome crystal. , 2005, , .		1
30	<title>Photonic crystal fiber with hollow-core for biosensing application</title>. , 2007, , .		1
31	Determination of glucose concentration in biological liquids using photonic crystal waveguides. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2013, 115, 228-232.	0.2	1
32	Characterization of nanographitized activated porous carbons. Nanotechnologies in Russia, 2016, 11, 791-800.	0.7	1
33	Control of Adsorption Horseradish Peroxidase on the Surface of Glass Multicapillary by Using a Polyelectrolyte on Layer-by-Layer Technology. Nanotechnologies in Russia, 2017, 12, 480-484.	0.7	1
34	Noncontact characterization of microstructured optical fibers coating in real time. Optics Letters, 2021, 46, 4793.	1.7	1
35	Ultrasmooth, biocompatible, and removable nanocoating for hollow-core microstructured optical fibers. Optics Letters, 2021, 46, 4828.	1.7	1
36	Optical characteristics of 2D air-glass and metal-glass photonic superlattice crystals. , 0, , .		0

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37	Spatial and spectral characteristics of two-dimensional photon-fiber crystals. Technical Physics Letters, 2002, 28, 272-274.	0.2	0
38	Glass and metal-glass holey fibers with high quality hexagonal structure. , 0, , .		0
39	‹title›Microstructured materials for biological and medical application‹/title›. , 2006, , .		0
40	A chirped photonic crystal fiber for ultrashort laser pulse delivery. , 2009, , .		0
41	Photonic fiber for flexible sub-20-fs pulse delivery. , 2010, , .		0
42	Photonic crystal fibers in biophotonics. Proceedings of SPIE, 2011, , .	0.8	0
43	10-fs pulse delivery through a fiber. , 2012, , .		0
44	A study on the application of chirped photonic crystal fiber in multiphoton microscopy. Proceedings of SPIE, 2013, , .	0.8	0
45	Microstructured waveguides for express analysis of water, coffee, tea, wine, and spirit. , 2015, , .		0
46	A chirped photonic crystal fiber for high-fidelity guiding of sub-100 fs pluses.. , 2009, , .		0
47	Micro- and nanocapillary glass technology for optical biosensing. SPIE Newsroom, 2009, , .	0.1	0
48	Photonic crystal fibers in biophotonics. , 2011, , .		0
49	Layer-by-layer polyelectrolyte coating for surface-enhanced Raman scattering on gold nanostars inside hollow core photonic crystal fibers. , 2018, , .		0
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