

# Igor A Goncharenko

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

127  
citations

1683934

5  
h-index

1281743

11  
g-index

41  
all docs

41  
docs citations

41  
times ranked

73  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical broadband analogâ€“digital conversion on the base of microring resonator. Optics Communications, 2006, 257, 54-61.	1.0	23
2	Influence of Nonlinearity on Mode Parameters of Anisotropic Optical Fibres. Journal of Modern Optics, 1990, 37, 1673-1684.	0.6	19
3	Increased amplifier spacing in soliton system with partial dispersion compensation. Electronics Letters, 1996, 32, 1602.	0.5	16
4	Radiation loss and mode field distribution in curved holey fibers. AEU - International Journal of Electronics and Communications, 2005, 59, 185-191.	1.7	15
5	Linear and nonlinear dispersion compensation of short pulses using midspan spectral inversion. IEEE Photonics Technology Letters, 1996, 8, 449-451.	1.3	10
6	Analysis method for apodised grating structures. Optical and Quantum Electronics, 2002, 34, 471-479.	1.5	6
7	Optimizing the structure of optical temperature sensors on the base of slot and double-slot ring waveguides with liquid crystal filling. Optical Engineering, 2013, 53, 071802.	0.5	5
8	A digital optical sensor for the remote monitoring of temperature. Measurement Techniques, 2007, 50, 319-324.	0.2	4
9	Optimization of the Structure of an Optical Vectorial Bend and Stress Sensor Based on a Three-Core Microstructured Fiber. Measurement Techniques, 2013, 56, 65-71.	0.2	4
10	A Temperature sensor based on a slot waveguide with a liquid crystal filling. Measurement Techniques, 2013, 56, 503-509.	0.2	4
11	High-speed continuous tuneable fibre and waveguide lasers with controllable Bragg grating. Optics Communications, 2002, 203, 289-294.	1.0	3
12	Integrated Liquid Crystal Waveguide in Polarization Maintaining Regime. , 2007, , .		3
13	Liquid concentration sensor based on slot waveguide microresonators. Measurement Techniques, 2010, 53, 563-568.	0.2	3
14	Electric field sensing with liquid-crystal-filled slot waveguide microring resonators. Applied Optics, 2017, 56, 7629.	0.9	3
15	An optical matrix multiplier. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2006, 73, 834.	0.2	2
16	Optical temperature sensor on the base of slot waveguide with LC filling. , 2012, , .		2
17	On the possibility of soliton generation at 1.06 Î¼m. Optics Communications, 1995, 115, 261-264.	1.0	1
18	Continuous tuning of radiation frequency in fibre and waveguide lasers by a controllable Bragg grating. Quantum Electronics, 2002, 32, 428-432.	0.3	1

#	ARTICLE	IF	CITATIONS
19	Lasing dynamics of tunable single-frequency fiber-optic and waveguide lasers. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2003, 70, 173.	0.2	1
20	Optical analog signal digitization. Measurement Techniques, 2007, 50, 916-920.	0.2	1
21	Sensor of high frequency electric fields intensity on the base of slot waveguides with electro-optic polymer filling. Journal of Civil Protection, 2020, 4, 378-388.	0.2	1
22	<title>Fiber optic memory loop using a built-in addressing channel</title>. , 1994, 2429, 220.		0
23	<title>Additional contrary-directed channel in circular fiber optic loop memory</title>. , 1994, , .		0
24	<title>Controlled optical fiber processor for matrix/vector multiplication</title>. , 1996, , .		0
25	Acceleration of arithmetic operation performance by the use of spectral compression. , 2002, , .		0
26	Optical logic elements based on fiber Bragg reflectors. , 2002, 4750, 300.		0
27	<title>Electro-optical modulator on the base of fiber Bragg gratings</title>. , 2004, , .		0
28	Mode Birefringence in Multi-Core Microstructure Fibres. , 2006, , .		0
29	Methods and Means for Reading and Processing Optical Information Based on Waveguide Ring Microresonators. , 2006, , .		0
30	Optical Method of Performing the Operation of Matrix Multiplication. , 2006, , .		0
31	<title>Mode birefringence in multi-core microstructured fibers</title>. , 2007, , .		0
32	<title>Optical performing the operation of matrix multiplication on the base of waveguide microring resonators</title>. , 2007, , .		0
33	&lt;title&gt;Numerical algorithm for the analysis of linear and nonlinear microstructure fibres&lt;/title&gt;. Proceedings of SPIE, 2007, , .	0.8	0
34	Array converter of infrared images into visible images, based on waveguide microcavities. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2008, 75, 333.	0.2	0
35	Matrix infrared-visible image converter based on waveguide microring resonators. , 2008, , .		0
36	Vector bend sensor on the base of three-core microstructured fiber. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
37	Analysis of orthogonally polarized modes in curved slot and double-slot waveguides. , 2013, , .		0
38	Electric field sensor on the base of horizontal and vertical slot waveguide ring microresonators with LC filling. , 2017, , .		0
39	Measurement of the Strength of Electric Fields by Means of Ring Resonators Based on Slot Waveguides with Liquid-Crystal Filling. Measurement Techniques, 2018, 61, 55-61.	0.2	0
40	Measurement of the intensity of high frequency electric field: application of ring waveguide with two slots filled with electro-optic polymer. Izmeritel'naya Tekhnika, 2021, , 56-61.	0.0	0
41	«Исследование влияния геометрии волновода на характеристики резонансных устройств на основе волноводных колец с жидкокристаллическим наполнением»		0