

# Mikhail Y Plotnikov

## List of Publications by Year in descending order

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19  
papers

286  
citations

1307594

7  
h-index

996975

15  
g-index

19  
all docs

19  
docs citations

19  
times ranked

169  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase Modulation Depth Evaluation and Correction Technique for the PGC Demodulation Scheme in Fiber-Optic Interferometric Sensors. <i>IEEE Sensors Journal</i> , 2017, 17, 4143-4150.	4.7	73
2	PGC-Atan Demodulation Scheme With the Carrier Phase Delay Compensation for Fiber-Optic Interferometric Sensors. <i>IEEE Sensors Journal</i> , 2018, 18, 1985-1992.	4.7	58
3	Thin Cable Fiber-Optic Hydrophone Array for Passive Acoustic Surveillance Applications. <i>IEEE Sensors Journal</i> , 2019, 19, 3376-3382.	4.7	46
4	Experimental investigation of the thin fiber-optic hydrophone array based on fiber Bragg gratings. <i>Optical Fiber Technology</i> , 2017, 34, 47-51.	2.7	45
5	Dynamic Range Analysis of the Phase Generated Carrier Demodulation Technique. <i>Advances in Optical Technologies</i> , 2014, 2014, 1-5.	0.8	17
6	Acoustic vibrations in integrated electro-optic modulators on substrates of lithium niobate. <i>Technical Physics Letters</i> , 2017, 43, 994-997.	0.7	9
7	Development of the passive vibroacoustic isolation system for the path matched differential interferometry based fiber-optic sensors. <i>Optical Fiber Technology</i> , 2020, 57, 102241.	2.7	7
8	Adaptive Phase Noise Cancellation Technique for Fiber-Optic Interferometric Sensors. <i>Journal of Lightwave Technology</i> , 2021, 39, 4853-4860.	4.6	7
9	Fiber Optic Cables with High Acoustic Insulation. <i>Technical Physics Letters</i> , 2019, 45, 769-772.	0.7	6
10	Fiber-Optic Interferometric Sensor Based on the Self-Interference Pulse Interrogation Approach for Acoustic Emission Sensing in the Graphite/Epoxy Composite. <i>IEEE Sensors Journal</i> , 2019, 19, 7861-7867.	4.7	6
11	Methods for acoustic desensitization of fiber optic interferometer. <i>Journal of Physics: Conference Series</i> , 2019, 1326, 012010.	0.4	5
12	Environmental Noise Cancellation Technique for the Compensation Interferometer in Fiber-Optic PMDI-Based Sensor Arrays. <i>IEEE Sensors Journal</i> , 2020, 20, 14202-14208.	4.7	3
13	Study of influence of the fiber optic coatings parameters on optical acoustic sensitivity. <i>Journal of Physics: Conference Series</i> , 2016, 735, 012014.	0.4	2
14	The analysis of scattering interference pattern from the birefringent optical fiber with elliptical stress cladding. <i>Optik</i> , 2017, 144, 34-39.	2.9	1
15	An Experimental Setup for Acoustic Research of the Components of Fiber-Optic Measuring Systems. <i>Instruments and Experimental Techniques</i> , 2020, 63, 494-501.	0.5	1
16	Suppression of low-frequency acoustic resonances in integrated optic lithium niobate modulators. <i>Journal of Physics: Conference Series</i> , 2019, 1326, 012014.	0.4	0
17	The Influence of a Method of Bracing a Fiber-Optical Seismic Streamer during Towing on the Parameters of Its Output Signal. <i>Instruments and Experimental Techniques</i> , 2020, 63, 577-582.	0.5	0
18	Investigation of the dynamic range restrictions influence of the fiber-optic towed seismic streamer on the seismogram quality. <i>Scientific and Technical Journal of Information Technologies, Mechanics and Optics</i> , 2022, 22, 223-231.	0.2	0

#	ARTICLE	IF	CITATIONS
19	High-precision fiber-optic temperature sensor based on Fabry-Perot interferometer with reflective thin-film multilayer structures. Scientific and Technical Journal of Information Technologies, Mechanics and Optics, 2022, 22, 442-449.	0.2	0