

Michał, Dudek

List of Publications by Year in descending order

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33
papers

388
citations

1162889

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794469

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33
times ranked

377
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of Organosulfur and Organophosphorus Compounds Using a Hexafluorobutyl Acrylate-Coated Tapered Optical Fibers. <i>Polymers</i> , 2022, 14, 612.	2.0	1
2	Rotation, Strain, and Translation Sensors Performance Tests with Active Seismic Sources. <i>Sensors</i> , 2021, 21, 264.	2.1	23
3	Study of Rotational Motions Caused by Multiple Mining Blasts Recorded by Different Types of Rotational Seismometers. <i>Sensors</i> , 2021, 21, 4120.	2.1	3
4	Graphene-based tunable hyperbolic microcavity. <i>Scientific Reports</i> , 2021, 11, 74.	1.6	22
5	Towards uniformity of rotational events recording – common test engaging more than 40 sensors including a wide number of fiber-optic rotational seismometers. , 2021, , .		0
6	Measurements of Rotational Events Generated by Artificial Explosions and External Excitations Using the Optical Fiber Sensors Network. <i>Sensors</i> , 2020, 20, 6107.	2.1	6
7	Graphene-based hyperbolic metamaterial as a switchable reflection modulator. <i>Optics Express</i> , 2020, 28, 6708.	1.7	40
8	Two Correlated Interferometric Optical Fiber Systems Applied to the Mining Activity Recordings. <i>Journal of Lightwave Technology</i> , 2019, 37, 4851-4857.	2.7	6
9	The Fiber-Optic Rotational Seismograph – Laboratory Tests and Field Application. <i>Sensors</i> , 2019, 19, 2699.	2.1	8
10	Polymer optical bridges for efficient splicing of optical fibers. <i>Optical Engineering</i> , 2019, 58, 1.	0.5	4
11	Modification of optical fiber’s geometry with an excimer laser. , 2019, , .		0
12	Interferometric optical fiber sensor set for angular velocity recording: Allan variance analysis in practice. , 2019, , .		0
13	Optonumerical method for improving functional parameters of polymer microtips. <i>Optical Engineering</i> , 2018, 57, 1.	0.5	3
14	Torsion and tilt registration by two correlated interferometric optical fiber systems. , 2018, , .		1
15	Polymer optical bridges for efficient splicing of optical fibers. , 2018, , .		1
16	Technology of a photopolymer microtip as an optical fiber sensor’s transducer. , 2017, , .		0
17	The polymer converter for effectively connecting polymer with silica optical fibres. <i>Opto-electronics Review</i> , 2016, 24, .	2.4	5
18	Optical properties of polymer microtips investigated with workshop tomographic system. <i>Proceedings of SPIE</i> , 2016, , .	0.8	2

#	ARTICLE	IF	CITATIONS
19	Workshop tomographic system for 3D refractive index investigations in optical fibers. Advances in Intelligent Systems and Computing, 2016, , 529-534.	0.5	1
20	Tomographic studies of polymer optical bridges produced by photopolymerization. , 2016, , .		0
21	Polymer Microtips at Different Types of Optical Fibers as Functional Elements for Sensing Applications. Journal of Lightwave Technology, 2015, 33, 2398-2404.	2.7	21
22	Microtips at photonic crystal fibers as functional elements for near-field scanning optical microscopy probes. , 2014, , .		0
23	Problems and Solutions in 3-D Analysis of Phase Biological Objects by Optical Diffraction Tomography. International Journal of Optomechatronics, 2014, 8, 357-372.	3.3	26
24	Noise suppressed optical diffraction tomography with autofocus correction. Optics Express, 2014, 22, 5731.	1.7	41
25	Tomographic phase microscopy of living three-dimensional cell cultures. Journal of Biomedical Optics, 2014, 19, 1.	1.4	125
26	Tomographic and numerical studies of polymer bridges between two optical fibers for telecommunication applications. Optical Engineering, 2014, 53, 016113.	0.5	7
27	Time efficient method for defocus error compensation in tomographic phase microscopy. Photonics Letters of Poland, 2014, 6, .	0.2	2
28	Problems and Solutions in Tomographic Analysis of Phase Biological Objects. , 2014, , 671-676.		0
29	Holographic method for capillary induced aberration compensation for 3D tomographic measurements of living cells. , 2013, , .		5
30	Tomographic study of polymer bridges between two optical fibers for telecommunication applications. , 2013, , .		0
31	Polymer Microtips Fabricated at the Extremity of Photonic Crystal Fibers. Journal of Materials Science and Engineering B, 2013, 3, .	0.2	1
32	Interferometric and tomographic investigations of polymer microtips fabricated at the extremity of optical fibers. , 2012, , .		8
33	Luminescent properties of praseodymium doped Y2O3 and LaAlO3 nanocrystallites and polymer composites. Journal of Rare Earths, 2011, 29, 1123-1129.	2.5	26