

Michał, Dudek

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

388
citations

1162889

8
h-index

794469

19
g-index

33
all docs

33
docs citations

33
times ranked

377
citing authors

#	ARTICLE	IF	CITATIONS
1	Tomographic phase microscopy of living three-dimensional cell cultures. <i>Journal of Biomedical Optics</i> , 2014, 19, 1.	1.4	125
2	Noise suppressed optical diffraction tomography with autofocus correction. <i>Optics Express</i> , 2014, 22, 5731.	1.7	41
3	Graphene-based hyperbolic metamaterial as a switchable reflection modulator. <i>Optics Express</i> , 2020, 28, 6708.	1.7	40
4	Luminescent properties of praseodymium doped Y2O3 and LaAlO3 nanocrystallites and polymer composites. <i>Journal of Rare Earths</i> , 2011, 29, 1123-1129.	2.5	26
5	Problems and Solutions in 3-D Analysis of Phase Biological Objects by Optical Diffraction Tomography. <i>International Journal of Optomechatronics</i> , 2014, 8, 357-372.	3.3	26
6	Rotation, Strain, and Translation Sensors Performance Tests with Active Seismic Sources. <i>Sensors</i> , 2021, 21, 264.	2.1	23
7	Graphene-based tunable hyperbolic microcavity. <i>Scientific Reports</i> , 2021, 11, 74.	1.6	22
8	Polymer Microtips at Different Types of Optical Fibers as Functional Elements for Sensing Applications. <i>Journal of Lightwave Technology</i> , 2015, 33, 2398-2404.	2.7	21
9	Interferometric and tomographic investigations of polymer microtips fabricated at the extremity of optical fibers. , 2012, , .		8
10	The Fiber-Optic Rotational Seismograph Laboratory Tests and Field Application. <i>Sensors</i> , 2019, 19, 2699.	2.1	8
11	Tomographic and numerical studies of polymer bridges between two optical fibers for telecommunication applications. <i>Optical Engineering</i> , 2014, 53, 016113.	0.5	7
12	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
13	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
14	Holographic method for capillary induced aberration compensation for 3D tomographic measurements of living cells. , 2013, , .		5
15	The polymer converter for effectively connecting polymer with silica optical fibres. <i>Opto-electronics Review</i> , 2016, 24, .	2.4	5
16	Polymer optical bridges for efficient splicing of optical fibers. <i>Optical Engineering</i> , 2019, 58, 1.	0.5	4
17	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
18	Optonumerical method for improving functional parameters of polymer microtips. <i>Optical Engineering</i> , 2018, 57, 1.	0.5	3

#	ARTICLE	IF	CITATIONS
19	Optical properties of polymer microtips investigated with workshop tomographic system. Proceedings of SPIE, 2016, , .	0.8	2
20	Time efficient method for defocus error compensation in tomographic phase microscopy. Photonics Letters of Poland, 2014, 6, .	0.2	2
21	Polymer Microtips Fabricated at the Extremity of Photonic Crystal Fibers. Journal of Materials Science and Engineering B, 2013, 3, .	0.2	1
22	Workshop tomographic system for 3D refractive index investigations in optical fibers. Advances in Intelligent Systems and Computing, 2016, , 529-534.	0.5	1
23	Torsion and tilt registration by two correlated interferometric optical fiber systems. , 2018, , .		1
24	Polymer optical bridges for efficient splicing of optical fibers. , 2018, , .		1
25	Detection of Organosulfur and Organophosphorus Compounds Using a Hexafluorobutyl Acrylate-Coated Tapered Optical Fibers. Polymers, 2022, 14, 612.	2.0	1
26	Tomographic study of polymer bridges between two optical fibers for telecommunication applications. , 2013, , .		0
27	Microtips at photonic crystal fibers as functional elements for near-field scanning optical microscopy probes. , 2014, , .		0
28	Technology of a photopolymer microtip as an optical fiber sensorâ€™s transducer. , 2017, , .		0
29	Problems and Solutions in Tomographic Analysis of Phase Biological Objects. , 2014, , 671-676.		0
30	Tomographic studies of polymer optical bridges produced by photopolymerization. , 2016, , .		0
31	Modification of optical fiberâ€™s geometry with an excimer laser. , 2019, , .		0
32	Interferometric optical fiber sensor set for angular velocity recording: Allan variance analysis in practice. , 2019, , .		0
33	Towards uniformity of rotational events recording â€“ common test engaging more than 40 sensors including a wide number of fiber-optic rotational seismometers. , 2021, , .		0