

Yurii Machekhin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7134352/publications.pdf>

Version: 2024-02-01

54
papers

150
citations

1684188

5
h-index

1281871

11
g-index

54
all docs

54
docs citations

54
times ranked

155
citing authors

#	ARTICLE	IF	CITATIONS
1	Topological Engineering of Interfacial Optical Tamm States for Highly Sensitive Near-Singular-Phase Optical Detection. ACS Photonics, 2018, 5, 929-938.	6.6	87
2	Measurement of polarization and applications. , 0, , .		6
3	NANOLASER SUPERRADIATION IN INFORMATION AND MEASURING PROCEDURES. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2018, 77, 1179-1186.	0.4	6
4	PHOTONIC CRYSTAL NANOLASERS AS OPTICAL FREQUENCY STANDARDS. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2018, 77, 1169-1177.	0.4	5
5	GENERATION MODE STABILITY OF A FIBER RING LASER. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2015, 74, 641-647.	0.4	5
6	RING FIBER LASERS FOR TELECOMMUNICATION SYSTEMS. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2018, 77, 541-548.	0.4	5
7	Providing Mode Locking in Fiber Ring Lasers. Journal of Nano- and Electronic Physics, 2018, 10, 02033-1-02033-8.	0.5	4
8	Physical Models for Analyzing the Results of Measurements. Measurement Techniques, 2005, 48, 555-561.	0.6	3
9	Theoretical and Experimental Study of Temperature-Dependent Spectral Properties of Multi-Layer Metal-Dielectric Nano-Film Structures. , 2007, , .		3
10	Effects of chaotic dynamic-system behavior on measurement uncertainty. Measurement Techniques, 2008, 51, 6-10.	0.6	3
11	APPLICATION OF THE SPECTRAL INTERFEROMETRY METHOD FOR MICRO-AND NANODISTANCE MEASUREMENT. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and) Tj ETQq1 1 0784314 rgbT /Over		3
12	Metrology maintenance optic time-domain reflectometers. , 0, , .		2
13	<title>High-precision low-cost colorimeters and spectrophotometers based on liquid crystalline optics</title>. , 2004, , .		2
14	Laser Distance Meter model. , 2008, , .		2
15	Fractal scale for time series of the results of measurements. Measurement Techniques, 2009, 52, 835-840.	0.6	2
16	Fractal-Entropy Analysis of the Results of Measurements in Nonlinear Dynamical Systems. Measurement Techniques, 2014, 57, 609-614.	0.6	2
17	THE INFLUENCE OF OPTICAL RADIATION POLARIZATION UPON THE PHOTOCURRENT OF DIFFERENT TRAP DETECTOR MODELS. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz) Tj ETQq1 1 0784314 rgbT /Over		2
18	Comparisons of Heâ~Ne/l2 lasers in the komet 94/UA-a/92 program in 1996. Measurement Techniques, 1997, 40, 1133-1135.	0.6	1

#	ARTICLE	IF	CITATIONS
19	SSFLC Polarization Switch for Zeeman Laser Stabilization Loop. Molecular Crystals and Liquid Crystals, 1999, 331, 245-259.	0.3	1
20	Frequency stabilized lasers for coherent optical communications. , 0, , .		1
21	New precise optical powermeter. , 0, , .		1
22	Use of self-calibration of photodiodes in colorimetric measurements. , 0, , .		1
23	Trap Detector - for Measurement of Pulse Energy Laser Radiation. , 2006, , .		1
24	Methods of distance errors compensation in dynamically changing conditions. , 2011, , .		1
25	METROLOGICAL MAINTENANCE OF STANDARD OPTICAL FREQUENCY GRID FOR WDM TELECOMMUNICATIONS. Telecommunications and Radio Engineering (English Translation of) Tj ETQq1 1 0.784314rgBT /Overlock 10T		
26	Diffraction focusing of waves in periodically inhomogeneous layers. Radiophysics and Quantum Electronics, 1977, 20, 729-734.	0.5	0
27	Space and time dynamics of formation of resonance-scattered waves. Radiophysics and Quantum Electronics, 1982, 25, 823-827.	0.5	0
28	Accuracy of measurements of a physical quantity characterizing a dynamic system. Measurement Techniques, 1988, 31, 99-101.	0.6	0
29	Multi-functional apparatus for the measurement of wavelength and the spectra of light sources over a broad spectral range. Measurement Techniques, 1995, 38, 300-303.	0.6	0
30	Development of the equipment for precise measurement of optical radiation power in a spectral range of 1000-1600 nm. , 0, , .		0
31	Basic problems of metrology maintenance optical testers and wattmeters. , 0, , .		0
32	Trap detectors for power measurements of laser radiation in visible spectral region. , 0, , .		0
33	Absolute power meters of optical radiation for the state measurement standards of Ukraine. , 0, , .		0
34	Outcomes of researches stabilized He-Ne//sub 2/-lasers, included in state measurement standard of unit of length. , 0, , .		0
35	Measurements of low intensities laser radiation power on basis of trap detector. , 0, , .		0
36	Measurement assurance of optical attenuators. , 0, , .		0

#	ARTICLE	IF	CITATIONS
37	Complex for absolute power measurements of the optical radiation. , 0, , .		0
38	Modernization of radiation sources of optical calibration laboratories of ukrtelecom. , 0, , .		0
39	Trap detector - for measure of energy laser radiation. , 0, , .		0
40	Construction of Fundamental System of Sources of Radiation for Multiwave Laser Interferometry. , 2006, , .		0
41	Taking into Account of Spectral Characteristics of Semiconductor Photodiodes at Measurement of Power in Fiber-Optic Communication Lines. , 2006, , .		0
42	Method of Realization of High-Precision Measurement of Lengths of Optical Fibre. , 2006, , .		0
43	Stabilization of femtosecond optical frequency comb at 633 Iodine-stabilized Helium-Neon laser. , 2006, , .		0
44	Principles of forming DWDM systems on the basis of femtosecond laser radiation. , 2008, , .		0
45	Modification of measurement theory. Journal of Physics: Conference Series, 2010, 238, 012048.	0.4	0
46	Practical implementation of a new definition of the unit of length. Measurement Techniques, 2010, 53, 257-263.	0.6	0
47	Principle of remote control over the presence of dissolved gases in water media. Physical Oceanography, 2010, 20, 308-316.	0.9	0
48	Tuning of resonator by control of nematic liquid crystal properties. , 2010, , .		0
49	LASER ANEMOMETRY METHOD FOR PARTICLE VELOCITY MEASUREMENT IN THE BOSE-EINSTEIN CONDENSATE. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2018, 77, 1555-1563.	0.4	0
50	FORMATION OF OPTICAL FREQUENCY REFERENCES BASED UPON PHOTONIC DEFECT CRYSTALS AND TRAPPED COLD ATOMS. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and) Tj ETQq0 0 0 rgBT /Overlock 10 TF 5		0
51	ON THE POSSIBILITY OF LASER COOLING OF MOLECULAR IODINE. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2016, 75, 455-461.	0.4	0
52	1.5 $\hat{1}$ / ₄ M WAVELENGTH DIODE-PUMPED SOLID-STATE ERBIUM LASERS. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2016, 75, 1505-1513.	0.4	0
53	COMPACT 1.531 $\hat{1}$ / ₄ m WAVELENGTH LASER ON PbMoO ₄ :ND ₃ + CRYSTAL WITH SRSELF-CONVERSION AND DIODE PUMPING. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and) Tj ETQq1 1 0.78431.4 rgBT /Overlock 10		0
54	1.5 $\hat{1}$ / ₄ m Solid-state Lasers with Diode Pumping. Journal of Nano- and Electronic Physics, 2017, 9, 03019-1-03019-6.	0.5	0