

Yurii Machekhin

List of Publications by Year in descending order

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54
papers

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citations

1684188

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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	PHOTONIC CRYSTAL NANOLASERS AS OPTICAL FREQUENCY STANDARDS. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2018, 77, 1169-1177.	0.4	5
3	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
4	Providing Mode Locking in Fiber Ring Lasers. Journal of Nano- and Electronic Physics, 2018, 10, 02033-1-02033-8.	0.5	4
5	NANOLASER SUPERRADIATION IN INFORMATION AND MEASURING PROCEDURES. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2018, 77, 1179-1186.	0.4	6
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	1.5 μ m Solid-state Lasers with Diode Pumping. Journal of Nano- and Electronic Physics, 2017, 9, 03019-1-03019-6.	0.5	0
8	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
9	1.5 μ 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
10	COMPACT 1.531 μ m WAVELENGTH LASER ON PbMoO ₄ :Nd ³⁺ CRYSTAL WITH SRSSELF-CONVERSION AND DIODE PUMPING. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	0.4	0
11	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
12	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	0.4	0
13	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 0.784314 rgBT /Over	0.4	0
14	Fractal-Entropy Analysis of the Results of Measurements in Nonlinear Dynamical Systems. Measurement Techniques, 2014, 57, 609-614.	0.6	2
15	METROLOGICAL MAINTENANCE OF STANDARD OPTICAL FREQUENCY GRID FOR WDM TELECOMMUNICATIONS. Telecommunications and Radio Engineering (English Translation of) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	0.4	0
16	Methods of distance errors compensation in dynamically changing conditions. , 2011, , .		1
17	APPLICATION OF THE SPECTRAL INTERFEROMETRY METHOD FOR MICRO-AND NANODISTANCE MEASUREMENT. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and) Tj ETQq1 1 0.784314 rgBT /Over	0.4	0
18	Modification of measurement theory. Journal of Physics: Conference Series, 2010, 238, 012048.	0.4	0

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19	Practical implementation of a new definition of the unit of length. Measurement Techniques, 2010, 53, 257-263.	0.6	0
20	Principle of remote control over the presence of dissolved gases in water media. Physical Oceanography, 2010, 20, 308-316.	0.9	0
21	Tuning of resonator by control of nematic liquid crystal properties. , 2010, , .		0
22	Fractal scale for time series of the results of measurements. Measurement Techniques, 2009, 52, 835-840.	0.6	2
23	Effects of chaotic dynamic-system behavior on measurement uncertainty. Measurement Techniques, 2008, 51, 6-10.	0.6	3
24	Laser Distance Meter model. , 2008, , .		2
25	Principles of forming DWDM systems on the basis of femtosecond laser radiation. , 2008, , .		0
26	Theoretical and Experimental Study of Temperature-Dependent Spectral Properties of Multi-Layer Metal-Dielectric Nano-Film Structures. , 2007, , .		3
27	Construction of Fundamental System of Sources of Radiation for Multiwave Laser Interferometry. , 2006, , .		0
28	Taking into Account of Spectral Characteristics of Semiconductor Photodiodes at Measurement of Power in Fiber-Optic Communication Lines. , 2006, , .		0
29	Trap Detector - for Measurement of Pulse Energy Laser Radiation. , 2006, , .		1
30	Method of Realization of High-Precision Measurement of Lengths of Optical Fibre. , 2006, , .		0
31	Stabilization of femtosecond optical frequency comb at 633 Iodine-stabilized Helium-Neon laser. , 2006, , .		0
32	Physical Models for Analyzing the Results of Measurements. Measurement Techniques, 2005, 48, 555-561.	0.6	3
33	<title>High-precision low-cost colorimeters and spectrophotometers based on liquid crystalline optics</title>. , 2004, , .		2
34	SSFLC Polarization Switch for Zeeman Laser Stabilization Loop. Molecular Crystals and Liquid Crystals, 1999, 331, 245-259.	0.3	1
35	Comparisons of He-Ne/I ₂ lasers in the komet 94/UA-a/92 program in 1996. Measurement Techniques, 1997, 40, 1133-1135.	0.6	1
36	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

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37	Accuracy of measurements of a physical quantity characterizing a dynamic system. Measurement Techniques, 1988, 31, 99-101.	0.6	0
38	Space and time dynamics of formation of resonance-scattered waves. Radiophysics and Quantum Electronics, 1982, 25, 823-827.	0.5	0
39	Diffraction focusing of waves in periodically inhomogeneous layers. Radiophysics and Quantum Electronics, 1977, 20, 729-734.	0.5	0
40	Development of the equipment for precise measurement of optical radiation power in a spectral range of 1000-1600 nm. , 0, , .		0
41	Frequency stabilized lasers for coherent optical communications. , 0, , .		1
42	Basic problems of metrology maintenance optical testers and wattmeters. , 0, , .		0
43	Trap detectors for power measurements of laser radiation in visible spectral region. , 0, , .		0
44	Metrology maintenance optic time-domain reflectometers. , 0, , .		2
45	New precise optical powermeter. , 0, , .		1
46	Measurement of polarization and applications. , 0, , .		6
47	Use of self-calibration of photodiodes in colorimetric measurements. , 0, , .		1
48	Absolute power meters of optical radiation for the state measurement standards of Ukraine. , 0, , .		0
49	Outcomes of researches stabilized He-Ne//sub 2/-lasers, included in state measurement standard of unit of length. , 0, , .		0
50	Measurements of low intensities laser radiation power on basis of trap detector. , 0, , .		0
51	Measurement assurance of optical attenuators. , 0, , .		0
52	Complex for absolute power measurements of the optical radiation. , 0, , .		0
53	Modernization of radiation sources of optical calibration laboratories of ukrtelecom. , 0, , .		0
54	Trap detector - for measure of energy laser radiation. , 0, , .		0