

Alexander A Mamrashev

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Optical Properties and Terahertz Radiation Generation in a Li2B4O7 Crystal. Russian Physics Journal, 2021, 63, 2066-2069.	0.4	2
2	Terahertz Time-Domain Polarimetry for Principal Optical Axes of Anisotropic Crystals. Photonics, 2021, 8, 213.	2.0	11
3	Terahertz Optical Properties of KTiOPO4 Crystal in the Temperature Range of (192±150) °C. Crystals, 2021, 11, 125.	2.2	9
4	High-Performance Metal-Grid Polarizers on Polymeric Films for Broadband Terahertz Spectroscopy. , 2021, , .		0
5	Simultaneous Measurements of Broadband Terahertz Properties of Crystals along Two Axes. , 2021, , .		0
6	Potential of Sub-THz-Wave Generation in Li2B4O7 Nonlinear Crystal at Room and Cryogenic Temperatures. Crystals, 2021, 11, 1321.	2.2	2
7	Nuclear spin conversion in H_2O revisited. Physical Review A, 2021, 104, .	2.5	1
8	Millimetre-wave range optical properties of BIBO. Journal of Physics: Conference Series, 2021, 2067, 012011.	0.4	1
9	The dielectric tensor rotation angle and optical properties of a nonlinear crystal of bismuth triborate in the millimeter-wave range. , 2021, , .		0
10	Detailed study on optical properties of Li2B4O7 for down-conversion to millimeter waves. , 2021, , .		0
11	Acceleration of the Conversion of Nuclear Spin Isomers of Water Molecules under Their Vibrational Excitation. JETP Letters, 2021, 114, 643-647.	1.4	0
12	Optical properties of BiB3O6 in the terahertz range. Results in Physics, 2020, 16, 102815.	4.1	7
13	Optical properties of Nd:KGW crystal in the range of 0.2–2.1 THz. Results in Physics, 2020, 16, 102842.	4.1	1
14	Terahertz Birefringence and Dichroism of KTA Crystal. Crystals, 2020, 10, 730.	2.2	2
15	Anomalous Ortho-to-Para Ratio of Nuclear Spin Isomers of H2O at Low Temperatures. JETP Letters, 2020, 111, 85-89.	1.4	2
16	Broadband metal-grid polarizers on polymeric films for terahertz applications. AIP Conference Proceedings, 2020, , .	0.4	8
17	Terahertz optical properties of 1% Nd-doped KGW. , 2020, , .		0
18	The difference in terahertz dielectric properties of DNA solutions in water and ethanol. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
19	Fe and 5BDSR based composite fluoropolymer films for THz photonics applications. , 2020, , .		3
20	Variable THz attenuator based on 5BDSR microparticles in synthetic 80W-90 oil. , 2020, , .		3
21	Optical Properties of KGW Crystal and Its Possible Applications in the Terahertz Range. , 2020, , .		0
22	THz Properties of Fe and Ti Oxides Nanoparticles Obtained by Pulsed Laser Ablation. , 2019, , .		1
23	Correction of Optical Delay Line Errors in Terahertz Time-Domain Spectroscopy. Electronics (Switzerland), 2019, 8, 1408.	3.1	11
24	Phase-matching in KTP crystal for THz wave generation at room temperature and 81â€K. Infrared Physics and Technology, 2019, 97, 1-5.	2.9	25
25	Popular nonlinear optical crystals as down-converters of intense laser radiation and materials for millimeter wave applications. , 2019, , .		0
26	Detection of Nuclear Spin Isomers of Water Molecules by Terahertz Time-Domain Spectroscopy. IEEE Transactions on Terahertz Science and Technology, 2018, 8, 13-18.	3.1	18
27	Optical properties of $\hat{1}^2$ -BBO and potential for THz applications. Journal of Physics: Conference Series, 2018, 951, 012003.	0.4	9
28	Terahertz optical properties of LBO crystal upon cooling to liquid nitrogen temperature. Quantum Electronics, 2018, 48, 19-21.	1.0	9
29	Terahertz birefringence of potassium niobate crystals. Results in Physics, 2018, 8, 598-599.	4.1	2
30	Terahertz Time-Domain Spectrometer with Precision Delay Line Encoder. EPJ Web of Conferences, 2018, 195, 05007.	0.3	1
31	Oxide nonlinear crystals: optical properties and phase-matching for terahertz wave generation. EPJ Web of Conferences, 2018, 195, 06012.	0.3	2
32	$\langle \text{tex} \rangle \text{\$eta\$} \langle / \text{tex} \rangle$ -BBO: Optical Properties and Phase-Matching for THz Wave Generation. , 2018, , .		1
33	Optical Properties of KTP Crystals and Their Potential for Terahertz Generation. Crystals, 2018, 8, 310.	2.2	24
34	Temperature dependence of terahertz optical properties of LBO and perspectives of applications in down-converters. Journal of Physics: Conference Series, 2018, 951, 012005.	0.4	0
35	Phase matching in RT KTP crystal for down-conversion into the THz range. Laser Physics Letters, 2018, 15, 075401.	1.4	10
36	Optical rectification in $\hat{1}^2$ -BBO. , 2018, , .		0

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37	Observation of a different birefringence order at optical and THz frequencies in LBO crystal. Optical Materials, 2017, 66, 94-97.	3.6	13
38	Dielectric and Optical Properties of Strontium-Barium Niobate Films in the Range of 0.2-1.3 THz. Optoelectronics, Instrumentation and Data Processing, 2017, 53, 612-616.	0.6	0
39	Optical properties of lead germanate Pb ₅ Ge ₃ O _n in terahertz range. Journal of Physics: Conference Series, 2016, 737, 012022.	0.4	4
40	Specific features of studying anisotropic media by methods of time-domain terahertz spectroscopy. Optoelectronics, Instrumentation and Data Processing, 2016, 52, 374-380.	0.6	7
41	Soft mode behavior in lead germanate studied by terahertz time-domain spectroscopy. , 2015, , .		0
42	Effect of a Magnetic Field on Wideband Terahertz Generation on the Surface of Semiconductors. IEEE Transactions on Terahertz Science and Technology, 2015, 5, 673-679.	3.1	4
43	Terahertz optical properties of potassium titanyl phosphate crystals. Optics Express, 2014, 22, 25436.	3.4	24
44	Terahertz microlens array emitter based on the transverse Dember cross effect. Optoelectronics, Instrumentation and Data Processing, 2013, 49, 184-188.	0.6	2
45	Optical properties of chalcogenide glasses in the terahertz spectral region. Bulletin of the Russian Academy of Sciences: Physics, 2013, 77, 1161-1163.	0.6	1
46	Terahertz radiation influence on number and development dynamics of offspring F1 of fruit fly females under stress. Biophysics (Russian Federation), 2013, 58, 820-826.	0.7	6
47	Optical properties of borate crystals in terahertz region. Optics Communications, 2013, 309, 333-337.	2.1	37
48	Efficiency of Pulsed Terahertz Generation from the Surface of A ₃ B ₅ Semiconductors. , 2012, , .		1
49	Characteristics of the system of polarization-optical detection of a pulsed terahertz spectrometer. Optoelectronics, Instrumentation and Data Processing, 2011, 47, 332-337.	0.6	7
50	Small-size terahertz spectrometer using the second harmonic of a femtosecond fiber laser. Optoelectronics, Instrumentation and Data Processing, 2010, 46, 294-300.	0.6	11
51	Table Top Terahertz Spectrometer based on Fiber Laser. , 2010, , .		0