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List of Publications by Year
in descending order

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39 papers	526 citations	516710 16 h-index	642732 23 g-index
39 all docs	39 docs citations	39 times ranked	222 citing authors

#	Article	IF	Citations
1	Ferroelectric AgNa(NO2)2 crystals as novel highly efficient nonlinear optical material: Phase matched second harmonic generation driven by a spontaneous and electric field induced polarizations. Journal of Applied Physics, 2010, 107, .	2.5	51
2	Spatial anisotropy of the acousto-optical efficiency in lithium niobate crystals. Journal of Applied Physics, 2010, 108, .	2.5	37
3	Piezo-optic coefficients of MgO-doped LiNbO_3 crystals. Applied Optics, 2009, 48, 1904.	2.1	36
4	Spatial anisotropy of linear electro-optic effect in crystal materials: II. Indicative surfaces as efficient tool for electro-optic coupling optimization in LiNbO3. Optics and Lasers in Engineering, 2009, 47, 24-30.	3.8	28
5	Spatial anisotropy of linear electro-optic effect in crystal materials: Iâ€"Experimental determination of electro-optic tensor in LiNbO3 by means of interferometric technique. Optics and Lasers in Engineering, 2009, 47, 31-38.	3.8	28
6	Spatial anisotropy of photoelastic and acoustooptic properties in Î²-BaB2O4 crystals. Optical Materials, 2004, 27, 619-624.	3.6	26
7	The indicative surfaces of the photoelastic effect in Cs2HgCl4 biaxial crystals. Optical Materials, 2007, 29, 475-480.	3.6	26
8	Automated interferometric technique for express analysis of the refractive indices in isotropic and anisotropic optical materials. Optics and Lasers in Engineering, 2008, 46, 162-167.	3.8	26
9	Cs2HgCl4 crystal as a new material for acoustooptical applications. Optical Materials, 2003, 22, 263-268.	3.6	25
10	New Interference Technique for Determination of Low Loss Material Permittivity in the Extremely High Frequency Range. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 3005-3012.	4.7	24
11	Two-fold interferometric measurements of piezo-optic constants: application to Î²-BaB2O4 crystals. Optics and Laser Technology, 2005, 37, 319-328.	4.6	23
12	Piezooptical coefficients of La3Ga5SiO14 and CaWO4 crystals: A combined optical interferometry and polarization-optical study. Optical Materials, 2010, 33, 26-30.	3.6	23
13	Piezo-optic coefficients of CaWO4 crystals. Crystallography Reports, 2015, 60, 130-137.	0.6	21
14	Static photoelasticity of gallium phosphide crystals. Crystallography Reports, 2012, 57, 124-130.	0.6	19
15	Interferometric technique for controlling wedge angle and surface flatness of optical slabs. Optics and Lasers in Engineering, 2013, 51, 342-347.	3.8	17
16	Anisotropy of the electro-optic effect in magnesium-doped LiNbO3 crystals. Crystallography Reports, 2009, 54, 306-312.	0.6	16
17	Interferometry technique for refractive index measurements at subcentimeter wavelengths. Microwave and Optical Technology Letters, 2011, 53, 1193-1196.	1.4	15
18	Spatial anisotropy of the linear electro-optic effect in lithium niobate crystals: Analytical calculations and their experimental verification. Optical Materials, 2015, 45, 42-46.	3.6	11

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19	Nanostructures on the Basis of Porous Alumina with Intercalated with Cholesteric Liquid Crystal. Molecular Crystals and Liquid Crystals, 2015, 611, 132-138.	0.9	11
20	General method of extreme surfaces for geometry optimization of the linear electro-optic effect on an example of LiNbO_3:MgO crystals. Applied Optics, 2017, 56, 6255.	1.8	9
21	Specific complex-oxide crystals with strong nonlinear absorption and nonlinear refraction as promising optical materials. Optical Materials, 2021, 121, 111493.	3.6	9
22	Electric-field-induced optical path length change in LiNbO₃:MgO crystals: spatial anisotropy analysis. Applied Optics, 2013, 52, 3757.	1.8	8
23	Nanoengineering of anisotropic materials for creating the active optical cells with increased energy efficiency. , 2018, , .		8
24	Information technology for most efficient application of bulk and nanocrystalline materials as sensitive elements for optoelectronic devices. , 2016, , .		7
25	Design of optimization technique for electro- and acousto-optical interactions of light in crystalline materials. , 2008, , .		3
26	Automation of measuring process of materials refractive indexes in the millimeter-submilimeter waves range by interferometric-turning method. , 2008, , .		3
27	Spatial anisotropy of induced optical effects in anisotropic materials for optoelectronic devices: Hidden reserves for enhancing their performance. , 2016, , .		3
28	Optical Properties of Nanoporous Al2O3 Matrices with Ammonium Dihydrogen Phosphate Crystals in Nanopores. , 2018, , .		3
29	Measurement of refractive indices of isotropic and crystalline materials using an interferometric method. Measurement Techniques, 1992, 35, 816-819.	0.6	2
30	Angular stability of electric fieldâ€induced effects in crystalline materials. Crystal Research and Technology, 2013, 48, 387-399.	1.3	2
31	Photoelastic Properties of Trigonal Crystals. Crystals, 2021, 11, 1095.	2.2	2
32	Efficiency Increasing of Electro- and Acousto-Optical Light Modulators as Main Component of Fiber-Optical Systems for Information Transmission. , 2006, , .		1
33	Estimation of the Diffraction Efficiency of Oxide Single Crystals Acousto-Optic Devices in the Sub-Terahertz Frequency Range. , 2020, , .		1
34	A New Approach of Dielectric Permittivity Investigation of Crystalline and Nanocomposite Materials at SubTerahertz Frequency Range. , 2021, , .		1
35	The optimal vector phase matching conditions in crystalline materials determined by extreme surfaces method: Example of uniaxial nonlinear crystals. Optical Materials, 2021, 120, 111420.	3.6	1
36	Optimization technique for piezo- and acousto-optical interactions geometry of light in anisotropic materials for example of pure and MgO-doped lithium niobate crystals. , 2007, , .		0

#	Article	IF	Citations
37	CdS Nanocrystallines: Synthesis, Structure and Nonlinear Optical Properties. , 2020, , .		0
38	Dynamic Kerr and Pockels electro-optics of liquid crystals in nanopores for active photonic metamaterials. Nanoscale, 2021, 13, 18714-18725.	5.6	0
39	Determination of all piezoelectric coefficients and elastic stiffness constants in LiTaO₃ crystals based on measurements of acoustic wave velocities. Journal of Physical Studies, 2021, 25, .	0.5	0