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List of Publications by Year in descending order

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Version: 2024-02-01

75 papers	488 citations	840119 11 h-index	839053 18 g-index
75 all docs	75 docs citations	75 times ranked	112 citing authors

#	Article	IF	Citations
1	The search of homogeneity of LiNbO3 crystals grown of charge with different genesis. Journal of Crystal Growth, 2014, 386, 113-118.	0.7	56
2	Growth of heavily doped LiNbO3âŒ©ZnâŒª crystals. Inorganic Materials, 2015, 51, 375-379.	0.2	38
3	Structure and optical homogeneity of LiNbO3âŒ©MgâŒª crystals grown from different charges. Inorganic Materials, 2013, 49, 715-720.	0.2	30
4	Concentration threshold effect on properties of zincâ€doped lithium niobate crystals. Journal of the American Ceramic Society, 2017, 100, 3703-3711.	1.9	24
5	Growth of large LiNbO3âŒ©MgâŒª crystals. Inorganic Materials, 2013, 49, 288-295.	0.2	20
6	Integrated research of structural and optical homogeneities of the lithium niobate crystal with low photorefractive effect. Optik, 2015, 126, 1081-1089.	1.4	18
7	Structure and Properties of Boron-Doped LiNbO3 Single Crystals. Inorganic Materials, 2018, 54, 49-54.	0.2	16
8	Research of Concentration Conditions for Growth of Strongly Doped LiNbO3:Zn Single Crystals. Springer Proceedings in Physics, 2016, , 87-99.	0.1	14
9	Superconducting Niobium Coatings Deposited on Spherical Substrates in Molten Salts. Coatings, 2018, 8, 213.	1.2	14
10	Anomalous dielectric and piezoelectric properties and electrical conductivity of heavily doped LiNbO3:Zn crystals. Inorganic Materials, 2016, 52, 147-152.	0.2	13
11	Spontaneous unipolarity and anomalies of the dielectric and piezoelectric properties and electrical conductivity of initially heavily doped polydomain LiNbO3: Zn crystals. Physics of the Solid State, 2015, 57, 1541-1546.	0.2	11
12	Structure and optical properties of LiNbO3:ZnO (3.43â€“5.84 mol %) crystals. Inorganic Materials, 2017, 53, 489-495.	0.2	11
13	Effect of the method used to prepare solid precursors Nb2O5:Mg on the characteristics of LiNbO3:Mg crystals produced on their basis. Russian Journal of Inorganic Chemistry, 2014, 59, 178-182.	0.3	10
14	Conditions of application of LiNbO3 based piezoelectric resonators at high temperatures. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126289.	0.9	10
15	Optical properties of LiNbO3:Mg(5.21 mol %) and LiNbO3:Fe(0.009 mol %):Mg(5.04 mol %) crystals. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2014, 116, 274-280.	0.2	9
16	Dielectric and piezoelectric properties and electrical conductivity of LiNbO3:ZnO crystals in a wide range of dopant concentrations. Inorganic Materials, 2016, 52, 1291-1296.	0.2	9
17	FORMATION OF FRACTAL MICRO- AND NANO-STRUCTURES IN CERAMIC TANTALUM PENTOXIDE UNDER CONCENTRATED FLUX OF LIGHT AND THEIR EFFECT ON THERMAL EXPANSION. Integrated Ferroelectrics, 2009, 108, 89-97.	0.3	8
18	Conoscopic Studies of Optical Homogeneity of the LiNbO3:Mg Crystals. Ferroelectrics, 2012, 436, 19-28.	0.3	8

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19	Anisotropic electrical conductivity and dielectric properties of LiTaO3 crystals in the temperature range 290â€“900 K. Inorganic Materials, 2015, 51, 685-695.	0.2	8
20	Anomalies of dielectric properties and conductivity in single domain LiNbO3:Zn crystals. Integrated Ferroelectrics, 2016, 173, 119-127.	0.3	8
21	Effect of the Molybdenum Substrate Shape on Mo2C Coating Electrodeposition. Coatings, 2018, 8, 442.	1.2	7
22	Physicochemical and Optical Characteristics of LiNbO3 Single-Crystals Doped with Boron. Inorganic Materials: Applied Research, 2018, 9, 817-824.	0.1	7
23	Impact of a Dopant Impurity Electronic Structure on Physical Properties, Defect Structure, and Features of Lithium Niobate Doping Technology. Technical Physics, 2019, 64, 1872-1878.	0.2	7
24	Growth of LiNbO3:Er Crystals and concentration dependences of their properties. Crystallography Reports, 2016, 61, 1031-1038.	0.1	6
25	Synthesis of homogeneously mg-doped lithium niobate batch and study of the effect of non-metal impurities on the properties of LiNbO3:Mg crystals. Russian Journal of Inorganic Chemistry, 2016, 61, 18-23.	0.3	6
26	Relationship between the Optical Damage Resistance and Radiation Hardness and the Influence of Threshold Effects on the Radiation Hardness of ZnO-Doped LiNbO3 Crystals. Inorganic Materials, 2018, 54, 55-59.	0.2	6
27	Evolution of the Domain Structure of LiNbO3:ZnO Crystals during High-Temperature Annealing. Inorganic Materials, 2018, 54, 915-919.	0.2	6
28	Electrochemical Behaviour and Electrorefining of Cobalt in NaCl-KCl-K₂TiF₆ Melt. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2009, 64, 485-491.	0.7	5
29	Radiation hardness of lithium niobate nonlinear optical crystals doped with Y, Gd, and Mg. Inorganic Materials, 2013, 49, 821-825.	0.2	5
30	Effect of charge mixture preparation technology on the physicochemical and optical properties of LiNbO3:Mg crystals. Inorganic Materials: Applied Research, 2016, 7, 691-697.	0.1	5
31	Features of the Postgrowth Thermal and Electrothermal Treatment of Nominally Pure and Heavily Doped Lithiumâ€“Niobate Crystals. Bulletin of the Russian Academy of Sciences: Physics, 2018, 82, 314-316.	0.1	5
32	Dielectric properties and electrical conductivity of LiNbO3:Zn crystals in the temperature range 310â€“900 Đš. Solid State Ionics, 2020, 345, 115178.	1.3	5
33	Properties of Li x Na1 â^' x Ta0.1Nb0.9O3 ferroelectric ceramic solid solutions. Inorganic Materials, 2009, 45, 1423-1428.	0.2	4
34	Structure of Lithium Niobate Crystals with Low Photorefractive Effect. Journal of Applied Spectroscopy, 2014, 81, 633-639.	0.3	4
35	Corrosion resistance of the substrates for the cryogenic gyroscope and electrodeposition of the superconductive niobium coatings. Journal of Physics: Conference Series, 2017, 857, 012008.	0.3	4
36	Estimating the Degree of Unipolarity of LiNbO3 Crystals Using Static and Dynamic Piezoelectric Measurements. Inorganic Materials, 2020, 56, 1153-1158.	0.2	4

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37	Growth and concentration dependences of properties of LiNbO3:Tb crystals grown in a single technological cycle. Optical Materials, 2021, 122, 111755.	1.7	4
38	Effect of high-intensity light on the micro- and nanostructuring and thermal expansion of Ta2O5 and Nb2O5 ceramics. Inorganic Materials, 2010, 46, 683-690.	0.2	3
39	Complex study of the structural and optical homogeneity of lithium niobate crystals. Crystallography Reports, 2014, 59, 724-731.	0.1	3
40	The Effects of Admixtures on Resistance to Radiation of Lithium Niobate Crystals. Ferroelectrics, 2015, 479, 110-118.	0.3	3
41	Electrical Properties of LiTaO₃Single Crystals at 290â€“450ÂK. Ferroelectrics, 2015, 477, 47-53.	0.3	3
42	The Choice of Substrate Material and Electrodeposition of High Purity Niobium Coatings. ECS Transactions, 2016, 75, 609-616.	0.3	3
43	Physicochemical, dielectric, and piezoelectric properties and conductivity of LiNbO3: ZnO crystals (4.02â€“8.91 mol %). Technical Physics, 2017, 62, 82-89.	0.2	3
44	Specific features of growth and structure of LiNbO3 : Zn crystals near the ZnO concentration threshold of 6.76 mol %. Technical Physics, 2017, 62, 417-423.	0.2	3
45	Threshold Effects and Anomalies in the Physical Characteristics of LiNbO3:ZnO Crystals. Inorganic Materials, 2019, 55, 600-606.	0.2	3
46	FEATURES OF THE DEFECT STRUCTURE AND OPTICAL PROPERTIES OF AN LiNbO3:Mg(5.05):Fe(0.009 mol%) CRYSTAL. Journal of Applied Spectroscopy, 2020, 87, 457-463.	0.3	3
47	Methods for Controlling the Degree of Unipolarity of Large LiNbO3 Crystals. Instruments and Experimental Techniques, 2020, 63, 383-387.	0.1	3
48	A Study of Electrical Characteristics of Crystals of Homogeneously Doped LiNbO3:Zn,Mg in the Temperature Range of 450â€“900 K. Technical Physics, 2020, 65, 1987-1993.	0.2	3
49	Structure and properties of the Li0.125Na0.875NbO3 solid solution synthesized at atmospheric and high pressures. Inorganic Materials, 2014, 50, 1131-1139.	0.2	2
50	Choice of the substrate material for deposition of a superconducting coating. Russian Journal of Applied Chemistry, 2016, 89, 746-752.	0.1	2
51	A comparative study of the electrical properties of reduced and unreduced LiTaO3 crystals. Inorganic Materials, 2017, 53, 576-582.	0.2	2
52	Investigation of the Piezoelectric Resonance in Stoichiometric LiNbO3 Crystals at High Temperatures and Conductivities. Physics of the Solid State, 2019, 61, 1218-1222.	0.2	2
53	Defect Structure of Zinc-Doped LiNbO3 Crystals in a Wide Range of Dopant Concentrations. Inorganic Materials, 2019, 55, 698-703.	0.2	2
54	Formation of ordered defect structures in lithium niobate crystals of different chemical composition at non-equilibrium processes of different nature. Optical Materials, 2019, 90, 51-56.	1.7	2

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55	Electrical Conductivity and Dielectric Permittivity of Directly Doped LiNbO3:Zn,Mg Crystals in the Temperature Range 450â€“900 K. Inorganic Materials, 2020, 56, 955-961.	0.2	2
56	Comparative Study of Real Structure of LiNbO3Â:ÂZnO Crystals Grown by Direct and Homogeneous Doping. Crystallography Reports, 2020, 65, 18-26.	0.1	2
57	Radiation Modification of Optical Characteristics of LiNbO3:Zn and LiNbO3:Mg Crystals. Crystals, 2022, 12, 600.	1.0	2
58	Electrosynthesis of Tantalum Borides in Oxygen-Free and Oxygen-Containing Fluoride Melts. Russian Journal of Electrochemistry, 2001, 37, 1262-1268.	0.3	1
59	MICRO- AND NANO-STRUCTURES IN SINGLE CRYSTALS OF LITHIUM NIOBATE CONTAINING LANTHANIDE ADMIXTURES. Integrated Ferroelectrics, 2008, 102, 83-91.	0.3	1
60	Comparative Acoustic and Contact Studies of Elasticity of Ferroelectric Li_xNa_{1 - x}Ta_{0.1}Nb_{0.9}O₃Solid Solutions at Nanometer Spatial Resolution. Ferroelectrics, 2009, 378, 31-36.	0.3	1
61	Synthesis of nanopowders of pentoxides Ta2y Nb2(1â^'y)O5. Russian Journal of Applied Chemistry, 2013, 86, 498-504.	0.1	1
62	The Effects of Thermo-Baric Synthesis on the Structure and Properties of the Ferroelectric Li0.125Na0.875NbO3Solid Solution. Ferroelectrics, 2014, 469, 120-129.	0.3	1
63	Laser conoscopy of LiNbO3:Mg single crystals. Inorganic Materials: Applied Research, 2014, 5, 189-197.	0.1	1
64	Research of physicochemical properties and structure of strongly doped LiNbO3:ZnO ([ZnO] ~) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	0.1	1
65	Optical Anomalies in LiNbO3:Mg Crystals. Optics and Spectroscopy (English Translation of Optika I) Tj ETQq1 1 0.784314 rgBT /Overl	0.2	1
66	A Comparative Study of the Structure and Chemical Homogeneity of LiNbO3:Mg(~5.3 mol %) Crystals Grown from Charges of Different Origins. Inorganic Materials, 2019, 55, 1132-1137.	0.2	1
67	Mechanisms of Variation of the Unipolarity during Thermal Processing of Heavily Doped LiNbO3:ZnO Crystals. Technical Physics, 2020, 65, 1246-1252.	0.2	1
68	Investigation of Structural and Optical Homogeneity of LiNbO3:ZnO Crystals of Different Genesis. Inorganic Materials: Applied Research, 2020, 11, 320-329.	0.1	1
69	Structure and Properties of Tantalum Borides Obtained by Molten Salt Electrolysis. Journal of Materials Processings and Manufacturing Science, 1998, 7, 85-90.	0.1	1
70	Synthesis of Li x Na1 â^' x Ta y Nb1 â^' y O3 and LiTa y Nb1 â^' y O3 perovskite and pseudoilmenite solid solutions. Inorganic Materials, 2013, 49, 1048-1054.	0.2	0
71	Structural and Optical Homogeneity in Lithium Niobate Crystals of Low Photorefractivity. Ferroelectrics, 2015, 484, 55-61.	0.3	0
72	Thermal hysteresis of electromechanical characteristics of Y + 42Â° cut LiTaO3 single crystals. Inorganic Materials, 2017, 53, 708-712.	0.2	0

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73	Electropolishing of niobium coatings on spherical shape samples. Journal of Physics: Conference Series, 2019, 1281, 012081.	0.3	0
74	Interrelation between optical and radiation resistance of lithium niobate crystals of different chemical composition. , 2019, , .		0
75	Electrodeposition of Tantalum Coatings on Nitinol Stents. ECS Transactions, 2020, 98, 435-441.	0.3	0