

Olga B Shcherbina

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Structure and properties of luminescent ceramics GdNbO ₄ obtained by usual technology and by hot pressing. Optik, 2021, 245, 167683.	1.4	4
2	SYNTHESIS, STRUCTURE, LUMINESCENT AND MECHANICAL PROPERTIES OF YNb _{1-x} Ta _x O ₄ SOLID SOLUTIONS. Journal of Structural Chemistry, 2021, 62, 1715-1722.	0.3	2
3	Structure and mechanical properties of hyper-hardened solid solutions Li _{0.12} Na _{0.88} Ta _y Nb _{1-y} O ₃ . Ferroelectrics, 2020, 568, 23-38.	0.3	0
4	Luminescence Properties of Sol-Gel Derived Ceramic GdNb _{1-x} Ta _x O ₄ and YNb _{1-x} Ta _x O ₄ Solid Solutions. Inorganic Materials, 2020, 56, 437-442.	0.2	3
5	COMPARATIVE STUDY OF ELECTROPHYSICAL CHARACTERISTICS OF CERAMIC AND MONOCRYSTALLINE LITHIUM TANTALATE. Physical and Chemical Aspects of the Study of Clusters, Nanostructures and Nanomaterials, 2019, , 129-137.	0.2	0
6	MICROSTRUCTURE, PHASE STATES, DIELECTRIC AND ELASTIC PROPERTIES OF CERAMIC SOLID SOLUTIONS Li _{0.17} Na _{0.83} Nb _y Ta _{1-y} O ₃ OBTAINED AT HIGH PRESSURE. Physical and Chemical Aspects of the Study of Clusters, Nanostructures and Nanomaterials, 2018, , 252-261.	0.2	0
7	Influence of ultrafast quenching on the structure of Li _{0.12} Na _{0.88} Ta _y Nb _{1-y} O ₃ ceramics obtained by solid-phase synthesis. Technical Physics, 2017, 62, 424-430.	0.2	2
8	Effect of ultrarapid quenching on the structure and mechanical properties of Nb ₂ O ₅ and Ta ₂ O ₅ . Inorganic Materials, 2016, 52, 1244-1249.	0.2	1
9	Growth of LiNbO ₃ :Er Crystals and concentration dependences of their properties. Crystallography Reports, 2016, 61, 1031-1038.	0.1	6
10	Synthesis, structure, and electrical and mechanical properties of Nb ₂ (1-x)Ta _{2x} O ₅ ceramics. Inorganic Materials, 2015, 51, 503-511.	0.2	1
11	Structure and mechanical characteristics of ceramic Nb ₂ O ₅ and Nb ₂ (1-x)Ta _{2x} O ₅ . Inorganic Materials, 2013, 49, 909-915.	0.2	2
12	Electrical properties of LiNbO ₃ :Er crystals grown under steady-state and transient conditions. Inorganic Materials, 2013, 49, 101-108.	0.2	1
13	Effect of ceramic powder particle size on the electrical properties of Li _{0.03} Na _{0.97} Ta _{0.05} Nb _{0.95} O ₃ ceramics. Inorganic Materials, 2013, 49, 185-193.	0.2	2
14	The Effect of Grain Size of the Stock on Electrical Characteristics of the Li _{0.03} Na _{0.97} Ta _{0.05} Nb _{0.95} O ₃ Perovskite Ceramics. Ferroelectrics, 2012, 436, 72-79.	0.3	1
15	Formation of Layers of Diverse Stoichiometric and Phase Composition in Lithium Tantalate Crystals at Treatment by Vapour Transport Equilibration. Ferroelectrics, 2012, 430, 71-77.	0.3	0
16	Mechanical properties of Nb ₂ O ₅ and Ta ₂ O ₅ prepared by different procedures. Inorganic Materials, 2012, 48, 433-438.	0.2	22
17	Regular domain structures fabricated by an electron beam in stoichiometric LiNbO ₃ crystals. Physics of the Solid State, 2012, 54, 962-964.	0.2	4
18	The structure of niobium and tantalum oxides processed by concentrated light flux. Ukrainian Journal of Physical Optics, 2012, 13, 207.	9.7	28

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19	Physical Properties and Structure of Niobium Pentoxide Ceramics Treated by Concentrated Light Flow. <i>Integrated Ferroelectrics</i> , 2011, 123, 137-143.	0.3	3
20	Effect of high-intensity light on the properties and structure of ceramic Nb ₂ O ₅ . <i>Inorganic Materials</i> , 2011, 47, 549-553.	0.2	0
21	Microstructure and Young's modulus of high-pressure Li _x Na _{1-x} Ta _y Nb _{1-y} O ₃ ceramics. <i>Inorganic Materials</i> , 2011, 47, 686-689.	0.2	1
22	Formation of a stoichiometric layer and new polar phase upon exposure of LiTaO ₃ single crystals to lithium vapor. <i>Inorganic Materials</i> , 2011, 47, 1233-1237.	0.2	1
23	Microstructures and nanostructures, elastic properties, and heat resistance of ceramics with a protective coating based on niobium pentoxide exposed to a concentrated light flux. <i>Glass Physics and Chemistry</i> , 2011, 37, 445-449.	0.2	2
24	Ferroelectric domains in near-stoichiometric LiNbO ₃ by e-beam polarization reversal. <i>Phase Transitions</i> , 2011, 84, 797-803.	0.6	15
25	Physical and Chemical Principles of Obtaining Thermally Resistant Containers for Treatment of High Purity Niobium and Tantalum Compounds. <i>Ferroelectrics</i> , 2011, 424, 68-77.	0.3	0
26	Growth of Lithium Niobate Single Crystals from Granulated Charge. <i>Integrated Ferroelectrics</i> , 2011, 123, 148-152.	0.3	5
27	Effects of VTE Treatment on Composition of Lithium Tantalate Single Crystals. <i>Ferroelectrics</i> , 2011, 417, 46-52.	0.3	3
28	Micro- and nanostructures in lithium niobate single crystals doped with lanthanides. <i>Crystallography Reports</i> , 2010, 55, 811-814.	0.1	7
29	Periodic micro- and nanostructures in LiNbO ₃ :Gd single crystals grown under unsteady-state conditions. <i>Inorganic Materials</i> , 2010, 46, 418-423.	0.2	2
30	Effect of high-intensity light on the micro- and nanostructuring and thermal expansion of Ta ₂ O ₅ and Nb ₂ O ₅ ceramics. <i>Inorganic Materials</i> , 2010, 46, 683-690.	0.2	3
31	Microstructure and elastic modulus of ceramic Li _x Na _{1-x} NbO ₃ perovskite solid solutions prepared at 6 GPa. <i>Inorganic Materials</i> , 2010, 46, 1348-1352.	0.2	2
32	Investigation of Periodic Domain Structures in LiNbO ₃ :Gd Single Crystals. <i>Ferroelectrics</i> , 2010, 398, 98-107.	0.3	1
33	FORMATION OF FRACTAL MICRO- AND NANO-STRUCTURES IN CERAMIC TANTALUM PENTOXIDE UNDER CONCENTRATED FLUX OF LIGHT AND THEIR EFFECT ON THERMAL EXPANSION. <i>Integrated Ferroelectrics</i> , 2009, 108, 89-97.	0.3	8
34	FRACTAL STRUCTURES IN SINGLE CRYSTALS OF FERROELECTRIC LITHIUM NIOBATE GROWN UNDER STRONGLY UNSTABLE CONDITIONS. <i>Integrated Ferroelectrics</i> , 2009, 109, 27-35.	0.3	1
35	Effect of growth conditions on the domain structure of LiNbO ₃ :Gd single crystals. <i>Inorganic Materials</i> , 2008, 44, 305-310.	0.2	2
36	MICRO- AND NANO-STRUCTURES IN SINGLE CRYSTALS OF LITHIUM NIOBATE CONTAINING LANTHANIDE ADMIXTURES. <i>Integrated Ferroelectrics</i> , 2008, 102, 83-91.	0.3	1

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37	Research on Peculiarities of Growth Domain Structure of Doped LiNbO_3 Single Crystals Depending on Growth Regimes. <i>Ferroelectrics</i> , 2008, 374, 41-49.	0.3	8
38	Domain structure and electrical properties of Gd-and Tm-doped lithium niobate single crystals. <i>Inorganic Materials</i> , 2007, 43, 68-72.	0.2	1
39	PTCR effect in $\text{Li}_{0.12}\text{Na}_{0.88}\text{Ta}_y\text{Nb}_{1-y}\text{O}_3$ ferroelectric solid solutions. <i>Inorganic Materials</i> , 2007, 43, 281-286.	0.2	3
40	Electrical Conductivity and Phase Transitions in Ferroelectric Solid Solutions $\text{Li}_{0.17}\text{Na}_{0.83}\text{Ta}_y\text{Nb}_{1-y}\text{O}_3$ ($y = 0 \text{--} 0.5$) under High Pressure. <i>Solid State Phenomena</i> , 0, 310, 6-13.	High	0