

Sofia Masloboeva

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Structure and optical homogeneity of LiNbO ₃ :Mg crystals grown from different charges. Inorganic Materials, 2013, 49, 715-720.	0.2	30
2	Niobium(V) oxide doped with Mg ²⁺ and Gd ³⁺ cations: Synthesis and structural studies. Russian Journal of Inorganic Chemistry, 2011, 56, 1194-1198.	0.3	14
3	Effect of the method used to prepare solid precursors Nb ₂ O ₅ :Mg on the characteristics of LiNbO ₃ :Mg crystals produced on their basis. Russian Journal of Inorganic Chemistry, 2014, 59, 178-182.	0.3	10
4	Synthesis and Luminescent Properties of Gadolinium Tantalum Niobates Gd(Nb _x Ta _{1-x})O ₄ . Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2019, 127, 1011-1017.	0.2	9
5	Magnesium-and-Zinc-Doped Lithium Niobate Crystals: Preparation and Characterization. Russian Journal of Inorganic Chemistry, 2020, 65, 924-931.	0.3	8
6	Separation and purification of tantalum from plumbomicrolite of amazonite deposit in Kola Peninsula by acid leaching and solvent extraction. Journal of Central South University, 2021, 28, 72-88.	1.2	8
7	Growth and Characterization of a Boron-Doped Lithium Niobate Single Crystal. Inorganic Materials, 2020, 56, 1147-1152.	0.2	8
8	Synthesis and properties of homogeneously doped Nb ₂ O ₅ :Dy and a LiNbO ₃ :Dy growth charge. Inorganic Materials, 2014, 50, 803-809.	0.2	6
9	Synthesis of Nb ₂ O ₅ solid precursors and LiNbO ₃ batches and their phase compositions. Russian Journal of Inorganic Chemistry, 2016, 61, 412-419.	0.3	6
10	Synthesis of homogeneously mg-doped lithium niobate batch and study of the effect of non-metal impurities on the properties of LiNbO ₃ :Mg crystals. Russian Journal of Inorganic Chemistry, 2016, 61, 18-23.	0.3	6
11	Effect of charge mixture preparation technology on the physicochemical and optical properties of LiNbO ₃ :Mg crystals. Inorganic Materials: Applied Research, 2016, 7, 691-697.	0.1	5
12	New Approach to the Preparation of Doped Lithium Niobate Batches for Single Crystal Growth. Russian Journal of Inorganic Chemistry, 2018, 63, 449-454.	0.3	5
13	Synthesis and Comparative Study of the Microstructure and Properties of LiNbO ₃ and LiNbO ₃ :Zn Ceramics Manufactured by Sol-Gel Processes. Russian Journal of Inorganic Chemistry, 2019, 64, 673-679.	0.3	3
14	Comparative investigation of electrophysical characteristics of ceramic and single crystal LiNbO ₃ . Journal of Physics: Conference Series, 2020, 1658, 012010.	0.3	3
15	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
16	Preparation and Characterization of Gadolinium Niobate Tantalates Activated with Europium Ions. Inorganic Materials, 2021, 57, 383-391.	0.2	3
17	Preparation and Characterization of Lithium Niobate Single Crystals Doped with Zinc and Erbium. Inorganic Materials, 2021, 57, 701-709.	0.2	3
18	A Study of Electrical Characteristics of Crystals of Homogeneously Doped LiNbO ₃ :Zn,Mg in the Temperature Range of 450-900 K. Technical Physics, 2020, 65, 1987-1993.	0.2	3

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19	Preparation and Characterization of Lithium Niobate Single Crystals Activated with Magnesium and Boron. <i>Inorganic Materials</i> , 2021, 57, 1271-1278.	0.2	3
20	Synthesis and study of potassium peroxy-pentafluorotantalate monohydrate. <i>Russian Journal of Inorganic Chemistry</i> , 2009, 54, 17-21.	0.3	2
21	Effect of the oxygen content in a salt solution on the characteristics of sodium-reduced tantalum powders. <i>Russian Metallurgy (Metally)</i> , 2009, 2009, 88-92.	0.1	2
22	Determination of impurity elements in high-purity solid precursors based on tantalum pentoxide by inductively coupled plasma mass spectrometry. <i>Journal of Analytical Chemistry</i> , 2014, 69, 598-607.	0.4	2
23	Synthesis and study of a lithium tantalate charge doped with rare-earth elements. <i>Doklady Physical Chemistry</i> , 2015, 460, 37-41.	0.2	2
24	Composition and Homogeneity of Nb ₂ O ₅ and LiNbO ₃ Solid Precursors and LiNbO ₃ Batches. <i>Russian Journal of Inorganic Chemistry</i> , 2018, 63, 239-244.	0.3	2
25	Microstructure and Electrical and Mechanical Properties of Lithium Tantalate Ceramics Synthesized by a Sol-Gel Method. <i>Russian Journal of Inorganic Chemistry</i> , 2020, 65, 440-445.	0.3	2
26	SYNTHESIS, STRUCTURE, LUMINESCENT AND MECHANICAL PROPERTIES OF Yb ³⁺ :Ta _{1-x} Nb _x O ₅ SOLID SOLUTIONS. <i>Journal of Structural Chemistry</i> , 2021, 62, 1715-1722.	0.3	2
27	Sodium-reduced tantalum powders produced from plumbomicrolite raw materials. <i>Russian Journal of Applied Chemistry</i> , 2012, 85, 1025-1028.	0.1	1
28	Synthesis and research of phase composition of alloys Nb ₂ O ₅ : Fe ³⁺ and Ta ₂ O ₅ : Fe ³⁺ . <i>Russian Journal of Applied Chemistry</i> , 2012, 85, 1827-1831.	0.1	1
29	Using laser ablation to study the microhomogeneity and composition of rare-earth doped Ta ₂ O ₅ Precursors and a LiTaO ₃ charge. <i>Russian Journal of Physical Chemistry A</i> , 2015, 89, 1655-1661.	0.1	1
30	Synthesis of Homogeneous Doping with Zinc Charge of Lithium Niobate and Comparative Study of LiNbO ₃ :Zn Crystals of Different Genesis. <i>Inorganic Materials: Applied Research</i> , 2019, 10, 1196-1203.	0.1	1
31	Sol-gel synthesis of lithium niobate doped by zinc and boron and study of the luminescent properties of ceramics LiNbO ₃ : Zn: B. <i>Russian Chemical Bulletin</i> , 2020, 69, 947-951.	0.4	1
32	Synthesis of Zinc-Doped Lithium Tantalate Charge in the Technology of Novel Crystalline Functional Materials. <i>Russian Journal of Applied Chemistry</i> , 2020, 93, 645-653.	0.1	1
33	Sol-Gel Synthesis of a Zn-Doped Lithium Tantalate Growth Charge. <i>Inorganic Materials</i> , 2020, 56, 270-276.	0.2	1
34	Investigation of Structural and Optical Homogeneity of LiNbO ₃ :ZnO Crystals of Different Genesis. <i>Inorganic Materials: Applied Research</i> , 2020, 11, 320-329.	0.1	1
35	Reaction of Lithium Tantalate (Niobate) with Lithium Carbonate. <i>Russian Journal of Applied Chemistry</i> , 2005, 78, 19-22.	0.1	0
36	Dependence of characteristics of tantalum powders on the type of the extractant used in preparation of raw material. <i>Russian Journal of Applied Chemistry</i> , 2011, 84, 572-576.	0.1	0

#	ARTICLE	IF	CITATIONS
37	Synthesis and study of phase composition of Ta ₂ O ₅ : Mg alloys. Russian Journal of Applied Chemistry, 2011, 84, 1847-1850.	0.1	0
38	Synthesis of high-purity tantalum pentoxide from wastes formed in manufacture of lithium tantalate single crystals. Russian Journal of Applied Chemistry, 2012, 85, 700-704.	0.1	0
39	Preparation and phase composition of Ta ₂ O ₅ :Zn alloys having low Zn ²⁺ concentrations. Russian Journal of Inorganic Chemistry, 2013, 58, 274-279.	0.3	0
40	Study of the layering process in extraction systems for optimization of the technology of rare earth elements production. Russian Journal of Applied Chemistry, 2013, 86, 505-509.	0.1	0
41	Synthesis and investigation of homogeneously doped precursor Ta ₂ O ₅ ·xSm ³⁺ and charge of composition LiTaO ₃ ·xSm ³⁺ . Russian Journal of Applied Chemistry, 2015, 88, 185-191.	0.1	0
42	Research of particularities in formation of microstructures, mechanic and electric properties of lithium niobate ceramics in dependence of the initial charge dispersity. Non-ferrous Metals, 2017, , 3-7.	0.4	0