

Sofia Masloboeva

List of Publications by Citations

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41
papers

106
citations

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g-index

42
ext. papers

130
ext. citations

1
avg, IF

2.5
L-index

#	Paper	IF	Citations
41	Structure and optical homogeneity of LiNbO ₃ <Mg> crystals grown from different charges. <i>Inorganic Materials</i> , 2013 , 49, 715-720	0.9	28
40	Niobium(V) oxide doped with Mg ²⁺ and Gd ³⁺ cations: Synthesis and structural studies. <i>Russian Journal of Inorganic Chemistry</i> , 2011 , 56, 1194-1198	1.5	13
39	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. <i>Russian Journal of Inorganic Chemistry</i> , 2014 , 59, 178-182	1.5	10
38	Synthesis and properties of homogeneously doped Nb ₂ O ₅ <Dy> and a LiNbO ₃ <Dy> growth charge. <i>Inorganic Materials</i> , 2014 , 50, 803-809	0.9	6
37	Synthesis and Luminescent Properties of Gadolinium Tantalum Niobates Gd(Nb _x Ta _{1-x})O ₄ . <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2019 , 127, 1011-1017	0.7	6
36	New Approach to the Preparation of Doped Lithium Niobate Batches for Single Crystal Growth. <i>Russian Journal of Inorganic Chemistry</i> , 2018 , 63, 449-454	1.5	5
35	Synthesis of Nb ₂ O ₅ solid precursors and LiNbO ₃ batches and their phase compositions. <i>Russian Journal of Inorganic Chemistry</i> , 2016 , 61, 412-419	1.5	5
34	Effect of charge mixture preparation technology on the physicochemical and optical properties of LiNbO ₃ :Mg crystals. <i>Inorganic Materials: Applied Research</i> , 2016 , 7, 691-697	0.6	5
33	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. <i>Russian Journal of Inorganic Chemistry</i> , 2016 , 61, 18-23	1.5	4
32	Magnesium-and-Zinc-Doped Lithium Niobate Crystals: Preparation and Characterization. <i>Russian Journal of Inorganic Chemistry</i> , 2020 , 65, 924-931	1.5	3
31	Synthesis and Comparative Study of the Microstructure and Properties of LiNbO ₃ and LiNbO ₃ :Zn Ceramics Manufactured by Sol-Gel Processes. <i>Russian Journal of Inorganic Chemistry</i> , 2019 , 64, 673-679	1.5	2
30	Comparative investigation of electrophysical characteristics of ceramic and single crystal LiNbO ₃ . <i>Journal of Physics: Conference Series</i> , 2020 , 1658, 012010	0.3	2
29	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	1.5	2
28	Synthesis and study of a lithium tantalate charge doped with rare-earth elements. <i>Doklady Physical Chemistry</i> , 2015 , 460, 37-41	0.8	2
27	Synthesis and study of potassium peroxy-pentafluorotantalate monohydrate. <i>Russian Journal of Inorganic Chemistry</i> , 2009 , 54, 17-21	1.5	2
26	Growth and Characterization of a Boron-Doped Lithium Niobate Single Crystal. <i>Inorganic Materials</i> , 2020 , 56, 1147-1152	0.9	2
25	A Study of Electrical Characteristics of Crystals of Homogeneously Doped LiNbO ₃ :Zn,Mg in the Temperature Range of 450-900 K. <i>Technical Physics</i> , 2020 , 65, 1987-1993	0.5	2

24	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	0.6	1
23	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	0.7	1
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	1.1	1
21	Sodium-reduced tantalum powders produced from plumbomicrolite raw materials. <i>Russian Journal of Applied Chemistry</i> , 2012 , 85, 1025-1028	0.8	1
20	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	0.5	1
19	Separation and purification of tantalum from plumbomicrolite of amazonite deposit in Kola Peninsula by acid leaching and solvent extraction. <i>Journal of Central South University</i> , 2021 , 28, 72-88	2.1	1
18	SYNTHESIS, STRUCTURE, LUMINESCENT AND MECHANICAL PROPERTIES OF YNb _{1-x} Ta _{1+x} O ₄ SOLID SOLUTIONS. <i>Journal of Structural Chemistry</i> , 2021 , 62, 1715-1722	0.9	1
17	Luminescence Properties of Sol-Gel Derived Ceramic GdNb _{1-x} Ta _{1+x} O ₄ and YNb _{1-x} Ta _{1+x} O ₄ Solid Solutions. <i>Inorganic Materials</i> , 2020 , 56, 437-442	0.9	0
16	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	1.7	0
15	Composition and Homogeneity of Nb ₂ O ₅ Solid Precursors and LiNbO ₃ Batches. <i>Russian Journal of Inorganic Chemistry</i> , 2018 , 63, 239-244	1.5	0
14	Preparation and Characterization of Gadolinium Niobate Tantalates Activated with Europium Ions. <i>Inorganic Materials</i> , 2021 , 57, 383-391	0.9	0
13	Preparation and Characterization of Lithium Niobate Single Crystals Doped with Zinc and Erbium. <i>Inorganic Materials</i> , 2021 , 57, 701-709	0.9	0
12	Investigation of Structural and Optical Homogeneity of LiNbO ₃ :ZnO Crystals of Different Genesis. <i>Inorganic Materials: Applied Research</i> , 2020 , 11, 320-329	0.6	0
11	Preparation and Characterization of Lithium Niobate Single Crystals Activated with Magnesium and Boron. <i>Inorganic Materials</i> , 2021 , 57, 1271-1278	0.9	0
10	Synthesis and investigation of homogeneously doped precursor Ta ₂ O ₅ <Sm> and charge of composition LiTaO ₃ <Sm>. <i>Russian Journal of Applied Chemistry</i> , 2015 , 88, 185-191	0.8	
9	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	0.8	
8	Sol-Gel Synthesis of a Zn-Doped Lithium Tantalate Growth Charge. <i>Inorganic Materials</i> , 2020 , 56, 270-276	0.9	
7	Synthesis of high-purity tantalum pentoxide from wastes formed in manufacture of lithium tantalate single crystals. <i>Russian Journal of Applied Chemistry</i> , 2012 , 85, 700-704	0.8	

- 6 Preparation and phase composition of Ta₂O₅:Zn alloys having low Zn²⁺ concentrations. *Russian Journal of Inorganic Chemistry*, **2013**, 58, 274-279 1.5
- 5 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 0.8
- 4 Synthesis and research of phase composition of alloys Nb₂O₅: Fe³⁺ and Ta₂O₅: Fe³⁺. *Russian Journal of Applied Chemistry*, **2012**, 85, 1827-1831 0.8
- 3 Dependence of characteristics of tantalum powders on the type of the extractant used in preparation of raw material. *Russian Journal of Applied Chemistry*, **2011**, 84, 572-576 0.8
- 2 Synthesis and study of phase composition of Ta₂O₅: Mg alloys. *Russian Journal of Applied Chemistry*, **2011**, 84, 1847-1850 0.8
- 1 Reaction of Lithium Tantalate (Niobate) with Lithium Carbonate. *Russian Journal of Applied Chemistry*, **2005**, 78, 19-22 0.8