

# Alexander Mosunov

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Influence of A-site doping on properties of lead-free KNN-based perovskite ceramics. <i>Ferroelectrics</i> , 2021, 575, 158-166.	0.3	4
2	Phase transitions, dielectric and piezoelectric properties of $[(\text{Na}_{0.5}\text{Bi}_{0.5})_{1-x}\text{Li}_x]\text{TiO}_3$ ( $x = 0 \text{--} 0.1$ ) ceramics. <i>Ferroelectrics</i> , 2021, 574, 144-155.	0.3	1
3	Effect of Cobalt Additions on the Microstructure and Properties of Sodium Bismuth Titanate Ceramics. <i>Inorganic Materials</i> , 2021, 57, 541-546.	0.2	0
4	Phase Formation, Structure, and Dielectric Properties of Modified Potassium Sodium Niobate Ceramics. <i>Inorganic Materials</i> , 2020, 56, 1072-1078.	0.2	4
5	Synthesis, Microstructure, Dielectric and Ferroelectric Properties of (Na,Bi,K)TiO <sub>3</sub> Ceramics. <i>Journal of Surface Investigation</i> , 2020, 14, 663-667.	0.1	0
6	Effects of Substitutions of Titanium(IV) Ions by Iron(III) and Niobium(V) Ions on Phase Formation in Lanthanide-Containing Systems Comprising Layered Bismuth Titanate Ferrite. <i>Russian Journal of Inorganic Chemistry</i> , 2020, 65, 1654-1661.	0.3	6
7	Dielectric and local piezoelectric properties of lead-free KNN-based perovskite ceramics. <i>Ferroelectrics</i> , 2020, 569, 201-208.	0.3	3
8	Structure, ferroelectric and local piezoelectric properties of KNN-based perovskite ceramics. <i>Ferroelectrics</i> , 2020, 560, 38-47.	0.3	4
9	Phase formation and relaxor properties of lead-free perovskite ceramics on the base of sodium-bismuth titanate $(\text{Na}_{0.5}\text{Bi}_{0.5})_{1-x}\text{Li}_x(\text{Ti,Mg})\text{O}_3$ . <i>Ferroelectrics</i> , 2020, 560, 48-53.	0.3	2
10	Ferroelectric Phase Transitions of Modified $[(\text{Na}_{0.5}\text{Bi}_{0.5})_{1-x}\text{Li}_x]\text{TiO}_3$ ( $x = 0 \text{--} 0.1$ ) Sodium Bismuth Titanate-Based Ceramics. <i>Inorganic Materials</i> , 2020, 56, 91-96.	0.2	0
11	Structure, dielectric and ferroelectric properties of modified KNN perovskite ceramics. <i>Ferroelectrics</i> , 2019, 544, 96-103.	0.3	1
12	Ferroelectric and local piezoelectric properties of modified KNN ceramics. <i>Integrated Ferroelectrics</i> , 2019, 196, 52-59.	0.3	5
13	Phase transitions, ferroelectric and relaxor properties of nonstoichiometric NBT ceramics. <i>Ferroelectrics</i> , 2019, 538, 120-125.	0.3	4
14	Structure, ferroelectric and piezoelectric properties of KNN-based perovskite ceramics. <i>Ferroelectrics</i> , 2019, 538, 45-51.	0.3	16
15	Processing and characterization of lead-free ceramics on the base of sodium-potassium niobate. <i>Journal of Advanced Dielectrics</i> , 2018, 08, 1850004.	1.5	21
16	Specific Features of the Structure and the Dielectric Properties of Sodium-Bismuth Titanate-Based Ceramics. <i>Physics of the Solid State</i> , 2018, 60, 428-432.	0.2	7
17	Influence of additives on structure and ferroelectric properties of NBT-BT-BMT ceramics. <i>Ferroelectrics</i> , 2018, 531, 22-30.	0.3	7
18	Phase Formation and Phase Transitions in Nonstoichiometric Sodium Bismuth Titanate Ceramics. <i>Inorganic Materials</i> , 2018, 54, 744-748.	0.2	12

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19	Specific Features of the Structure and Properties of High-Temperature Oxide Materials Based on Bismuth Sodium Titanate. Crystallography Reports, 2018, 63, 266-270.	0.1	9
20	Physics and Chemistry of Creating New Titanates with Perovskite Structure. Russian Journal of Physical Chemistry A, 2018, 92, 1132-1137.	0.1	8
21	Modified Ion-Conducting Ceramics Based on Lanthanum Gallate: Synthesis, Structure, and Properties. Russian Journal of Physical Chemistry A, 2018, 92, 1138-1144.	0.1	4
22	Features of the structural states of KNbO <sub>3</sub> single crystals before and after fast-neutron irradiation. Crystallography Reports, 2017, 62, 31-39.	0.1	2
23	Novel laser crystals in Ca <sub>9</sub> Y(VO <sub>4</sub> ) <sub>7-x</sub> (PO <sub>4</sub> ) <sub>x</sub> mixed system. Journal of Alloys and Compounds, 2017, 708, 285-293.	2.8	12
24	Anisotropy and temperature stability of parameters of Bi <sub>3</sub> TiNbO <sub>9</sub> -based high-temperature piezoceramics. Inorganic Materials, 2017, 53, 103-108.	0.2	4
25	Phase formation, structure and dielectric properties of lead-free ceramics on the base of (Na <sub>0.5</sub> Bi <sub>0.5</sub> )TiO <sub>3</sub> . Ferroelectrics, 2017, 515, 59-67.	0.3	1
26	Phase formation, structure, and dielectric properties of (Na <sub>0.5</sub> Bi <sub>0.5</sub> )TiO <sub>3</sub> â€“ BaTiO <sub>3</sub> â€“ Bi(Mg <sub>0.5</sub> Ti <sub>0.5</sub> )O <sub>3</sub> ceramics. Ferroelectrics, 2017, 513, 7-15.	0.3	2
27	Phase formation, microstructure, and electric conductivity of ion-conductive ceramics based on lanthanum gallate. Russian Journal of Electrochemistry, 2017, 53, 641-646.	0.3	2
28	Synthesis and investigation of RE(III) cation substituted SBN and SBT ceramics. Ferroelectrics, 2017, 511, 62-68.	0.3	1
29	Phase formation, microstructure, and ionic conductivity of (La,Sr)(Ga,Ge,Mg)O <sub>3</sub> â€“d ceramics. Inorganic Materials, 2017, 53, 764-769.	0.2	4
30	Structure and ferroelectric properties of lead-free NBT-KBT-BF ceramics. Ferroelectrics, 2017, 518, 109-117.	0.3	3
31	Influence of KCl additives on ferroelectric peroperties of NBT-based ceramics. , 2017, , .		0
32	Phase formation and ferroelectric properties of ceramic solid solutions in the (Na <sub>0.5</sub> Bi <sub>0.5</sub> )TiO <sub>3</sub> â€“ (K <sub>0.5</sub> Na <sub>0.5</sub> )NbO <sub>3</sub> â€“ BiFeO <sub>3</sub> system. Ferroelectrics, 2016, 498, 85-93.	0.3	1
33	Phase formation and dielectric properties of ceramics in the BiFeO <sub>3</sub> â€“BaTiO <sub>3</sub> â€“Bi(Mg <sub>0.5</sub> Ti <sub>0.5</sub> )O <sub>3</sub> system. Inorganic Materials, 2016, 52, 925-931.	0.2	2
34	Phase formation and dielectric properties of lithium fluoride-doped (Na <sub>0.5</sub> Bi <sub>0.5</sub> )TiO <sub>3</sub> â€“(K <sub>0.5</sub> Na <sub>0.5</sub> )NbO <sub>3</sub> â€“BiFeO <sub>3</sub> ceramics. Inorganic Materials, 2016, 52, 836-841.	0.2	3
35	Phase formation, structure and dielectric properties of ceramics (Na <sub>0.5</sub> Bi <sub>0.5</sub> )TiO <sub>3</sub> â€“(K <sub>0.5</sub> Na <sub>0.5</sub> )NbO <sub>3</sub> â€“BiFeO <sub>3</sub> . Journal of Advanced Dielectrics, 2016, 06, 1650007.	1.5	2
36	Influence of NaCl/LiF Additives on Structure, Microstructure and Phase Transitions of (K <sub>0.5</sub> Na <sub>0.5</sub> )NbO <sub>3</sub> Ceramics. Ferroelectrics, 2015, 489, 147-155.	0.3	9

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37	X-ray diffraction study of BaTiO <sub>3</sub> single crystals before and after fast-neutron irradiation. Crystallography Reports, 2015, 60, 620-628.	0.1	3
38	Effects of KCl/LiF Additives on the Structure, Phase Transitions and Dielectric Properties of BSPT Ceramics. Ferroelectrics, 2015, 485, 95-100.	0.3	3
39	Phase Transitions and Dielectric Properties of Modified BSPT Ceramics. Ferroelectrics, 2015, 479, 35-42.	0.3	1
40	Influence of gallium substitutions on the structure, dielectric and piezoelectric properties of BiScO <sub>3</sub> -PbTiO <sub>3</sub> ceramics. Physica Scripta, 2014, 89, 044007.	1.2	7
41	Effects of KCl Additives on Structure, Phase Transitions and Dielectric Properties of 0.36BiScO <sub>3</sub> -0.64PbTiO <sub>3</sub> Ceramics. Ferroelectrics, 2014, 464, 1-7.	0.3	9
42	Chemical pressure effects on structural, dielectric and magnetic properties of solid solutions Mn <sub>3-3x</sub> CoxTeO <sub>6</sub> . Materials Research Bulletin, 2014, 50, 42-56.	2.7	13
43	Functional Glass Ceramic Based on Potassium Niobate. Glass and Ceramics (English Translation of) Tj ETQq1 1 0.784314 rgBT <sub>2</sub> /Overlock	0.2	1
44	Ca <sub>10.5-x</sub> Pb <sub>x</sub> (PO <sub>4</sub> ) <sub>7</sub> and Ca <sub>9.5-x</sub> Pb <sub>x</sub> M(PO <sub>4</sub> ) <sub>7</sub> ferroelectrics with the whitlockite structure. Inorganic Materials, 2013, 49, 807-812.	0.2	12
45	Preparation and dielectric properties of potassium sodium niobate-based solid solutions. Inorganic Materials, 2013, 49, 826-833.	0.2	5
46	Influence of Complex Additives on Structure, Microstructure, Phase Transitions and Dielectric Properties of BiScO <sub>3</sub> -PbTiO <sub>3</sub> Ceramics. Ferroelectrics, 2013, 449, 1-10.	0.3	3
47	Structure and properties of Ca <sub>9-x</sub> Pb <sub>x</sub> R(PO <sub>4</sub> ) <sub>7</sub> (R = Sc, Cr, Fe, Ga, In) whitlockite-like solid solutions. Inorganic Materials, 2013, 49, 507-512.	0.2	10
48	Preparation, electrical conductivity, and magnetic susceptibility of (Ba <sub>1-x</sub> Bi <sub>x</sub> )(Mn <sub>0.5-x</sub> Nb <sub>0.5-x</sub> ) Tj ETQq0 0.0 rgBT <sub>0</sub> /Overlock 10	0.2	10
49	Spin and Dipole Ordering in Ni <sub>2</sub> InSbO <sub>6</sub> and Ni <sub>2</sub> ScSbO <sub>6</sub> with Corundum-Related Structure. Chemistry of Materials, 2013, 25, 935-945.	3.2	43
50	Crystal structure and phase transition in the doped superionic conductor bismuth vanadate Bi <sub>4</sub> (V,Fe) <sub>2</sub> O <sub>11</sub> revealed by neutron diffraction. Physica Status Solidi (B): Basic Research, 2013, 250, 1345-1351.	0.7	3
51	Phase Transitions, Dielectric and Piezoelectric Properties of BiScO <sub>3</sub> -PbTiO <sub>3</sub> Ceramic Solid Solutions. Key Engineering Materials, 2012, 512-515, 1363-1366.	0.4	10
52	Influence of Complex Additives on Morphology, Phase Transitions, and Dielectric Properties of 0.36BiScO <sub>3</sub> -0.64PbTiO <sub>3</sub> Ceramics. Ferroelectrics, 2012, 440, 105-112.	0.3	4
53	Ferroelectric Phase Transitions in Aurivillius Structure Lead-Free CaBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> and CaBi <sub>3.6</sub> Nd <sub>0.4</sub> Ti <sub>4</sub> O <sub>15</sub> Ceramics. Ferroelectrics, 2012, 429, 88-94.	0.3	1
54	Effect of low-melting additives on the structure, phase transitions, and dielectric properties of 0.36BiScO <sub>3</sub> -0.64PbTiO <sub>3</sub> ceramics. Inorganic Materials, 2012, 48, 953-959.	0.2	14

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55	Preparation, structural, dielectric and magnetic properties of LaFeO <sub>3</sub> –PbTiO <sub>3</sub> solid solutions. Materials Research Bulletin, 2012, 47, 3253-3268.	2.7	32
56	Phase Formation and Dielectric Properties of Ferroelectric CaBi <sub>4</sub> Ti <sub>3.6</sub> Bi <sub>0.4</sub> O <sub>15</sub> Ceramics (Bi, Ti, Cr). J. Electroceram. 2008, 10, 100-108 / Overlaid	0.1	0
57	Phase transition and electrical properties of gallium- and indium-doped Bi <sub>10</sub> Ti <sub>3</sub> W <sub>3</sub> O <sub>30</sub> . Inorganic Materials, 2011, 47, 513-520.	0.2	1
58	Phase transitions of (Cu,Ni) <sub>3</sub> TeO <sub>6</sub> solid solutions. Inorganic Materials, 2011, 47, 1132-1140.	0.2	2
59	Solid solutions on the base of bismuth vanadate: Preparation, structure, phase transitions, dielectric and transport properties. Solid State Ionics, 2011, 192, 248-251.	1.3	13
60	Phase Transitions, Piezo- and Ferroelectric Properties of BiScO <sub>3</sub> -PbTiO <sub>3</sub> Solid Solutions. Ferroelectrics, 2011, 419, 83-89.	0.3	14
61	Sandwich texture and its effect on the electrophysical properties of lanthanum borogermanate based glass ceramics. Glass and Ceramics (English Translation of Steklo I Keramika), 2009, 66, 275-279.	0.2	1
62	Ferroelectric Phase Transitions in Ionic Conducting BICUVOX Ceramics. Ferroelectrics, 2009, 379, 35-42.	0.3	3
63	Ferroelectric Phase Transitions and Electroconducting Properties of Ceramic BIMEVOX Solid Solutions (Me = La, Zr). Ferroelectrics, 2009, 391, 3-11.	0.3	15
64	The special features of the crystal structure and properties of oxides with mixed conductivity based on lanthanum gallate. Russian Journal of Physical Chemistry A, 2008, 82, 1640-1649.	0.1	0
65	Specific features of the structure and electrical conductivity of the magnetically ordered oxide (La <sub>0.9</sub> Sr <sub>0.1</sub> )(Fe <sub>0.8</sub> Mg <sub>0.2</sub> )O <sub>3-y</sub> . Crystallography Reports, 2008, 53, 68-75.	0.1	3
66	Dielectric properties and electrical conductivity of ZrO <sub>2</sub> -CeO <sub>2</sub> ceramics. Inorganic Materials, 2008, 44, 785-790.	0.2	4
67	Microstructure and ionic conductivity of (La <sub>1/2</sub> Li <sub>1/3+x</sub> )TiO <sub>3</sub> perovskite-like solid solutions. Inorganic Materials, 2007, 43, 1103-1108.	0.2	1
68	Oxygen Permeability of Mixed Conducting Perovskite Lanthanum Gallate-Based Ceramics. Materials Science Forum, 2006, 514-516, 412-416.	0.3	6
69	Electrical properties of (La <sub>1/2</sub> Li <sub>1/3+x</sub> )TiO <sub>3</sub> solid solutions. Inorganic Materials, 2006, 42, 393-398.	0.2	7
70	Structure and electrical conductivity of (La <sub>0.9</sub> Sr <sub>0.1</sub> )[(Ga <sub>1-x</sub> Cr <sub>x</sub> ) <sub>0.8</sub> Mg <sub>0.2</sub> ]O <sub>3-δ</sub> (x = 0–0.35) solid solutions. Inorganic Materials, 2006, 42, 689-695.	0.2	2
71	Microstructure and dielectric properties of (La <sub>0.9</sub> Sr <sub>0.1</sub> )[(Ga <sub>1-x</sub> Cr <sub>x</sub> ) <sub>0.8</sub> Mg <sub>0.2</sub> ]O <sub>3-δ</sub> (x = 0–0.35) oxygen-ion-conducting solid solutions. Inorganic Materials, 2006, 42, 806-814.	0.2	4
72	Mixed conducting perovskite-like ceramics on the base of lanthanum gallate. Solid State Ionics, 2006, 177, 1779-1783.	1.3	19

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73	The Ion Conducting Properties of Perovskite-Type Solid Solutions (La <sub>0.5</sub> Li <sub>0.5</sub> )[Ti <sub>1-x</sub> (M <sub>0.5</sub> Nb <sub>0.5</sub> ) <sub>x</sub> ]O <sub>3</sub> (M = Al, Ga). Materials Science Forum, 2006, 514-516, 407-411.	0.3	2
74	Ionic conductivity in the Lu <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> system. Inorganic Materials, 2005, 41, 264-271.	0.2	8
75	Processing, Investigation of Structure, Microstructure, Dielectric and Piezoelectric Properties of PbMg <sub>1/3</sub> Nb <sub>2/3</sub> O <sub>3</sub> -PbTiO <sub>3</sub> Ceramics Doped with the PbMg <sub>1/2</sub> W <sub>1/2</sub> O <sub>3</sub> Additive. Ferroelectrics, 2005, 314, 27-35.	0.3	0
76	Dielectric Properties of Oxygen Ion-Conductive (La,Sr)(Ga,Mg)O <sub>3</sub> Ceramics. Ferroelectrics, 2004, 299, 149-152.	0.3	17
77	Preparation, Structure, and Electrical Conductivity of La(Ga,Mn)O <sub>3</sub> Ceramics. Inorganic Materials, 2004, 40, 80-85.	0.2	1
78	Dielectric and Piezoelectric Properties of Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> –PbTiO <sub>3</sub> –Pb(Mg <sub>1/2</sub> W <sub>1/2</sub> )O <sub>3</sub> Ceramics. Inorganic Materials, 2004, 40, 998-1005.	0.2	3
79	New ionic conductors Ln <sub>2</sub> + xTi <sub>2</sub> O <sub>7</sub> (Ln = Dy, Lu, x = 0.132). Inorganic Materials, 2004, 40, 1317-1320.	0.2	4
80	Ferroelectric composites and ceramics based on stillwellite-like solid solutions. Journal of the European Ceramic Society, 2004, 24, 1569-1572.	2.8	3
81	Dielectric and Piezoelectric Properties of the Lead-Based Perovskite Ceramics. Ferroelectrics, 2004, 313, 129-133.	0.3	3
82	Title is missing!. Inorganic Materials, 2003, 39, 759-763.	0.2	9
83	Processing, Dielectric and Piezoelectric Properties of the PbTiO <sub>3</sub> -Based Ceramics. Ferroelectrics, 2003, 293, 247-252.	0.3	3
84	Synthesis and Properties of La <sub>2</sub> (Mo <sub>1-x</sub> M <sub>x</sub> ) <sub>2</sub> O <sub>9</sub> (M = Nb, Ta) Ionic Conductors. Inorganic Materials, 2002, 38, 1168-1171.	0.2	54
85	Dielectric properties and structure of Bi <sub>4</sub> Nb <sub>8</sub> O <sub>8</sub> Cl and Bi <sub>4</sub> Ta <sub>8</sub> O <sub>8</sub> Cl. Journal of Materials Chemistry, 2001, 11, 1141-1145.	6.7	51
86	Title is missing!. Inorganic Materials, 2001, 37, 647-650.	0.2	22
87	Ferroelectric Properties and Crystal Structure of the Layered Intergrowth Phase Bi <sub>3</sub> Pb <sub>2</sub> Nb <sub>2</sub> O <sub>11</sub> Cl. Chemistry of Materials, 2001, 13, 4731-4737.	3.2	60
88	Growth, structure, and properties of ferroelectric-ferroelastic superionic K <sub>3</sub> Nb <sub>3</sub> B <sub>2</sub> O <sub>12</sub> and K <sub>3-x</sub> NaxNb <sub>3</sub> B <sub>2</sub> O <sub>12</sub> crystals. Crystallography Reports, 2000, 45, 816-820.	0.1	6
89	Phase transitions and domain structure of ferroelectric-ferroelastic-superionic crystals K <sub>3</sub> Nb <sub>3</sub> B <sub>2</sub> O <sub>12</sub> and their solid solutions. Ferroelectrics, 1999, 221, 73-77.	0.3	2
90	Ferroelectricity in the KTiOPO <sub>4</sub> family. Ferroelectrics, 1996, 185, 63-66.	0.3	12