

Igor Flerov

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L-index

#	Paper	IF	Citations
143	Phase transitions in elpasolites (ordered perovskites). <i>Materials Science and Engineering Reports</i> , 1998 , 24, 81-151	30.9	190
142	Perovskite-like fluorides and oxyfluorides: Phase transitions and caloric effects. <i>Crystallography Reports</i> , 2011 , 56, 9-17	0.6	40
141	Caloric characteristics of PbTiO ₃ in the temperature range of the ferroelectric phase transition. <i>Physics of the Solid State</i> , 2012 , 54, 1832-1840	0.8	38
140	Synthesis, Structural, Magnetic, and Electronic Properties of Cubic CsMnMoO ₃ F ₃ Oxyfluoride. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 10162-10170	3.8	38
139	Adiabatic calorimetric study of the intense magnetocaloric effect and the heat capacity of (La _{0.4} Eu _{0.6}) _{0.7} Pb _{0.3} MnO ₃ . <i>Physics of the Solid State</i> , 2008 , 50, 2115-2120	0.8	34
138	Role of metal fluoride octahedra in the mechanism of phase transitions in A ₂ BMF ₆ elpasolites. <i>Journal of Fluorine Chemistry</i> , 2002 , 116, 9-14	2.1	32
137	Investigation of thermal expansion, phase diagrams, and barocaloric effect in the (NH ₄) ₂ WO ₂ F ₄ and (NH ₄) ₂ MoO ₂ F ₄ oxyfluorides. <i>Physics of the Solid State</i> , 2010 , 52, 167-175	0.8	31
136	Phase transitions in Cs ₂ CdI ₄ single crystals. <i>Physica Status Solidi A</i> , 1988 , 105, 441-446		30
135	Barocaloric effect near the structural phase transition in the Rb ₂ KTiOF ₅ oxyfluoride. <i>Physics of the Solid State</i> , 2010 , 52, 377-383	0.8	28
134	Caloric and multicaloric effects in oxygen ferroics and multiferroics. <i>Physics of the Solid State</i> , 2015 , 57, 429-441	0.8	27
133	Heat capacity study of relaxor PbMg _{1/3} Nb _{2/3} O ₃ in a wide temperature range. <i>Journal of Experimental and Theoretical Physics</i> , 2003 , 96, 531-537	1	27
132	Electrocaloric effect and anomalous conductivity of the ferroelectric NH ₄ HSO ₄ . <i>Physics of the Solid State</i> , 2008 , 50, 478-484	0.8	26
131	Effect of Cationic Substitution on Ferroelectric and Ferroelastic Phase Transitions in Oxyfluorides A ₂ A?WO ₃ F ₃ (A, A?: K, NH ₄ , Cs). <i>Ferroelectrics</i> , 2007 , 347, 60-64	0.6	25
130	Phase transitions and caloric effects in ferroelectric solid solutions of ammonium and rubidium hydrosulfates. <i>Physics of the Solid State</i> , 2011 , 53, 510-517	0.8	22
129	Calorimetric and x-ray diffraction studies of the (NH ₄) ₃ WO ₃ F ₃ and (NH ₄) ₃ TiOF ₅ perovskite-like oxyfluorides. <i>Physics of the Solid State</i> , 2004 , 46, 915-921	0.8	22
128	Thermal, structural, optical, dielectric and barocaloric properties at ferroelastic phase transition in trigonal (NH ₄) ₂ SnF ₆ : A new look at the old compound. <i>Journal of Fluorine Chemistry</i> , 2016 , 183, 1-9	2.1	20
127	Mechanism and nature of phase transitions in the (NH ₄) ₃ MoO ₃ F ₃ oxyfluoride. <i>Physics of the Solid State</i> , 2008 , 50, 515-524	0.8	20

126	Thermodynamic properties and p-T phase diagrams of $(\text{NH}_4)_3\text{M}_3\text{F}_6$ cryolites (M_3^+ : Ga, Sc). <i>Journal of Physics Condensed Matter</i> , 1999 , 11, 7493-7500	1.8	19
125	Thermal properties, magneto- and baro-caloric effects in $\text{La}_{0.7}\text{Pb}_{0.3}\text{MnO}_3$ single crystal. <i>Journal of Applied Physics</i> , 2013 , 113, 073901	2.5	15
124	Barocaloric Effect in Oxyfluorides $\text{Rb}_2\text{KTiOF}_5$ and $(\text{NH}_4)_2\text{NbOF}_5$. <i>Ferroelectrics</i> , 2010 , 397, 76-80	0.6	15
123	Thermal expansion, phase diagrams and barocaloric effects in $(\text{NH}_4)_2\text{NbOF}_5$. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 185901	1.8	14
122	T _B phase diagrams and the barocaloric effect in materials with successive phase transitions. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 384002	3	14
121	Thermal and physical properties of sodium niobate ceramics over a wide temperature range. <i>Physics of the Solid State</i> , 2013 , 55, 821-828	0.8	13
120	Thermal properties and phase transitions in $(\text{NH}_4)_3\text{ZrF}_7$. <i>Journal of Fluorine Chemistry</i> , 2013 , 154, 1-6	2.1	13
119	Thermophysical studies of the phase transitions in $(\text{NH}_4)_3\text{NbOF}_6$ crystals. <i>Physics of the Solid State</i> , 2007 , 49, 1548-1553	0.8	13
118	Heat capacity, p-T phase diagram, and structure of $\text{Rb}_2\text{KTiOF}_5$. <i>Physics of the Solid State</i> , 2008 , 50, 2175-2183	1.8	13
117	Ferroelastic phase transitions in $\text{Rb}_2\text{KM}_3\text{F}_6$ elpasolites. <i>Ferroelectrics</i> , 1998 , 217, 21-33	0.6	13
116	Mechanism of phase transitions in the $(\text{NH}_4)_2\text{WO}_2\text{F}_4$ ferroelastic. <i>Physics of the Solid State</i> , 2006 , 48, 759-764	0.8	12
115	Heat Capacity and Thermal Expansion Studies of Relaxors. <i>Ferroelectrics</i> , 2004 , 307, 127-136	0.6	12
114	Ferroelastic phase transitions in fluorides with cryolite and elpasolite structures. <i>Crystallography Reports</i> , 2004 , 49, 100-107	0.6	12
113	Phase transitions in perovskite-like oxyfluorides $(\text{NH}_4)_3\text{WO}_3\text{F}_3$ and $(\text{NH}_4)_3\text{TiOF}_5$. <i>Solid State Sciences</i> , 2004 , 6, 367-370	3.4	12
112	Entropy and the mechanism of phase transitions in elpasolites. <i>Physics of the Solid State</i> , 2001 , 43, 127-138	1.8	12
111	Heat capacity and p-T phase diagrams of the ordered perovskites Pb_2MgWO_6 and Pb_2CoWO_6 . <i>Journal of Physics Condensed Matter</i> , 2000 , 12, 559-567	1.8	12
110	Effect of B ₃₊ ion size on the phase transitions in $\text{Rb}_2\text{KB}_3\text{F}_6$ elpasolites series. <i>Ferroelectrics</i> , 1991 , 124, 309-314	0.6	12
109	Structural phase transitions in elpasolites $\text{Rb}_2\text{NaDyF}_6$ and Rb_2KDyF_6 . <i>Ferroelectrics, Letters Section</i> , 1983 , 1, 35-41	0.5	12

108	Reconstructive phase transition in (NH4)3TiF7 accompanied by the ordering of TiF6 octahedra. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2014 , 70, 924-31	1.8	11
107	Structural phase transition in elpasolite-like (NH4)2KWO3F3. <i>Physics of the Solid State</i> , 2006 , 48, 106-112	0.8	10
106	Heat capacity of the PbFe1/2Ta1/2O3 perovskite-like compound. <i>Physics of the Solid State</i> , 2004 , 46, 521-525	0.8	10
105	Thermodynamic properties of elpasolites Cs2NaNdCl6and Cs2NaPrCl6. <i>Journal of Physics C: Solid State Physics</i> , 1986 , 19, 2441-2447		10
104	Conventional and inverse barocaloric effects in ferroelectric NH4HSO4. <i>Journal of Alloys and Compounds</i> , 2019 , 806, 1047-1051	5.7	9
103	Calorimetric and dielectric studies of the (NH4)2MoO2F4 oxyfluoride. <i>Physics of the Solid State</i> , 2010 , 52, 158-166	0.8	9
102	Electrocaloric effect in triglycine sulfate under equilibrium and nonequilibrium thermodynamic conditions. <i>Physics of the Solid State</i> , 2017 , 59, 1118-1126	0.8	8
101	Thermal, dielectric and barocaloric properties of NH4HSO4 crystallized from an aqueous solution and the melt. <i>Solid State Sciences</i> , 2017 , 67, 1-7	3.4	8
100	Influence of thermal conditions on the electrocaloric effect in a multilayer capacitor based on doped BaTiO3. <i>Journal of Advanced Dielectrics</i> , 2017 , 07, 1750041	1.3	8
99	Thermodynamic properties and structure of oxyfluorides Rb2KMoO3F3 and K2NaMoO3F3. <i>Physics of the Solid State</i> , 2011 , 53, 1202-1211	0.8	8
98	Thermal expansion of (Ba1-xLa x)Ti1-x/4O3 solid solutions. <i>Physics of the Solid State</i> , 2009 , 51, 790-796	0.8	8
97	Thermodynamic Investigations of Ferroelastic Phase Transitions in K2ZnCl4and K2CoCl4. <i>Journal of the Physical Society of Japan</i> , 1992 , 61, 1606-1608	1.5	8
96	Effect of hydrostatic pressure on phase transitions in ABF6.6H2crystals (A identical to Zn,Co,Mg,Mn,Fe:B identical to Ti,Si). <i>Journal of Physics Condensed Matter</i> , 1992 , 4, 91-99	1.8	8
95	Phase transitions in layered perovskite-like ferroelastics. <i>Ferroelectrics</i> , 1990 , 104, 285-297	0.6	8
94	Thermodynamic properties of ferroelastics with octahedral ionic groups in structure. <i>Ferroelectrics</i> , 1990 , 106, 207-212	0.6	8
93	Properties of NH4HSO4 and RbHSO4 single crystals near their curie points. <i>Ferroelectrics</i> , 1976 , 12, 191-193		8
92	Ferroelastic Phase Transitions in Elpasolites A2BB3+X6. <i>Japanese Journal of Applied Physics</i> , 1985 , 24, 699	1.4	8
91	Sequence of phase transitions in (NH)SiF. <i>Dalton Transactions</i> , 2017 , 46, 2609-2617	4.3	7

90	Intensive electrocaloric effect in triglycine sulfate under nonequilibrium thermal conditions and periodic electric field. <i>Physica Status Solidi (B): Basic Research</i> , 2016 , 253, 2073-2078	1.3	7
89	Ferroelastic phase transitions in $(\text{NH}_4)_2\text{TaF}_7$. <i>Physics of the Solid State</i> , 2013 , 55, 611-618	0.8	7
88	Investigation of the thermal expansion and heat capacity of the $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ ceramics. <i>Physics of the Solid State</i> , 2012 , 54, 1785-1789	0.8	7
87	Caloric effects and phase transitions in ferromagnetic-ferroelectric composites $x\text{La}_0.7\text{Pb}_0.3\text{MnO}_3-(1-x)\text{PbTiO}_3$. <i>Journal of Materials Research</i> , 2013 , 28, 3322-3331	2.5	7
86	Phase Transitions in Oxides, Fluorides and Oxyfluorides with the Ordered Perovskite Structure. <i>Ferroelectrics</i> , 2007 , 346, 77-83	0.6	7
85	Heat capacity and $T\beta$ phase diagram of $\text{Cs}_2\text{NH}_4\text{GaF}_6$ elpasolite. <i>Solid State Sciences</i> , 2002 , 4, 15-18	3.4	7
84	Investigation of the reconstructive phase transition between metastable (β) and stable (α) modifications of the NH_4LiSO_4 crystal. <i>Physics of the Solid State</i> , 2003 , 45, 1572-1578	0.8	7
83	Phase transitions in layered ferroelastics. New representatives: CsScF_4 and $\text{Rb}_3\text{Cd}_2\text{Cl}_7$. <i>Ferroelectrics</i> , 1989 , 96, 175-179	0.6	7
82	Thermodynamic properties of bromo-elpasolites $\text{Cs}_2\text{NaYBr}_6$ and $\text{Cs}_2\text{NaTmBr}_6$. <i>Journal of Physics Condensed Matter</i> , 1990 , 2, 9019-9023	1.8	7
81	Successive phase transitions in the MeLiBO_4 type crystals. <i>Ferroelectrics</i> , 1985 , 63, 13-28	0.6	7
80	Thermal properties and phase transition in the fluoride, $(\text{NH}_4)_3\text{SnF}_7$. <i>Journal of Solid State Chemistry</i> , 2016 , 237, 269-273	3.3	7
79	Thermal, optical, and dielectric properties of fluoride Rb_2TaF_7 . <i>Physics of the Solid State</i> , 2017 , 59, 986-998	6	
78	Heat capacity and magnetic properties of fluoride $\text{CsFe}_2+\text{Fe}_3+\text{F}_6$ with defect pyrochlore structure. <i>Journal of Solid State Chemistry</i> , 2016 , 237, 330-335	3.3	6
77	Effect of cation substitution in fluorine-oxygen molybdates $(\text{NH}_4)_2 \times \text{A} \times \text{MoO}_2\text{F}_4$. <i>Physics of the Solid State</i> , 2011 , 53, 303-308	0.8	6
76	Heat capacity of a mixed-valence manganese oxide $\text{Pb}_3\text{Mn}_7\text{O}_{15}$. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 445214	1.8	6
75	Effect of deuteration on the thermal properties and structural parameters of the $(\text{NH}_4)_2\text{WO}_2\text{F}_4$ oxyfluoride. <i>Physics of the Solid State</i> , 2007 , 49, 1149-1156	0.8	6
74	Heat capacity and thermal expansion study of relaxor-ferroelectric $\text{Ba}_0.92\text{Ca}_0.08\text{Ti}_0.76\text{Zr}_0.24\text{O}_3$. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, 7143-7150	1.8	6
73	Calorimetric and dilatometric study of the ferroelastic phase transitions in the elpasolites. <i>Ferroelectrics</i> , 1983 , 48, 97-102	0.6	6

72	Study of the Physical Properties and Electrocaloric Effect in the BaTiO ₃ Nano- and Microceramics. <i>Physics of the Solid State</i> , 2019 , 61, 1052-1061	0.8	5
71	Magnetization and magnetocaloric effect in La0.7Pb0.3MnO ₃ ceramics and 0.85(La0.7Pb0.3MnO ₃) \otimes 0.15(PbTiO ₃) composite. <i>Journal of Materials Research</i> , 2015 , 30, 278-285	2.5	5
70	Effect of restricted geometry and external pressure on the phase transitions in ammonium hydrogen sulfate confined in a nanoporous glass matrix. <i>Journal of Materials Science</i> , 2018 , 53, 12132-12144	4.3	5
69	Investigation into phase diagrams of the fluorine-oxygen system: Ferroelastic-antiferroelectric (NH ₄) ₂ WO ₂ F ₄ -(NH ₄) ₂ MoO ₂ F ₄ . <i>Physics of the Solid State</i> , 2013 , 55, 409-418	0.8	5
68	Disorder and phase transitions in oxyfluoride (NH ₄) ₃ Ta(O ₂) ₂ F ₄ . <i>Journal of Fluorine Chemistry</i> , 2011 , 132, 713-718	2.1	5
67	Thermal expansion, polarization and phase diagrams of Ba(1-y)Bi(2y/3)Ti(1-x)Zr(x)O(3) and Ba(1-y)La(y)Ti(1-y/4)O(3) compounds. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 075902	1.8	5
66	Phase transitions and thermodynamic properties of (NH ₄) ₃ VO ₂ F ₄ cryolite. <i>Solid State Sciences</i> , 2009 , 11, 836-840	3.4	5
65	Phase transitions in the (NH ₄) ₂ NbOF ₅ oxyfluoride. <i>Physics of the Solid State</i> , 2010 , 52, 781-788	0.8	5
64	Effect of Sc substitution and pressure on phase transition in Rb ₂ KGaF ₆ elpasolite. <i>Ferroelectrics, Letters Section</i> , 1997 , 22, 127-133	0.5	5
63	Heat capacity study of double perovskite-like compounds BaTi _{1-x} ZrxO ₃ . <i>Physics of the Solid State</i> , 2005 , 47, 2304	0.8	5
62	Thermodynamic properties of elpasolites Rb ₂ KB ₃ F ₆ (B ₃ : Er, Ho). <i>Ferroelectrics</i> , 1995 , 168, 55-60	0.6	5
61	Effect of hydrostatic pressure on phase transitions in perovskite-like ferroelastics. <i>Ferroelectrics</i> , 1995 , 169, 199-205	0.6	5
60	Heat capacity, thermal expansion and barocaloric effect in fluoride (K ₂ TaF ₇). <i>Journal of Materials Science</i> , 2019 , 54, 14287-14295	4.3	4
59	Barocaloric effect in ferroelastic fluorides and oxyfluorides. <i>Ferroelectrics</i> , 2016 , 500, 153-163	0.6	4
58	Anomalous behaviour of thermodynamic properties at successive phase transitions in (NH ₄) ₃ GeF ₇ . <i>Journal of Solid State Chemistry</i> , 2017 , 256, 162-167	3.3	4
57	Thermodynamic properties of the mixed elpasolites Rb ₂ KGaxSc _{1-x} F ₆ (x=0.6 \otimes 0). <i>Physics of the Solid State</i> , 1997 , 39, 1647-1651	0.8	4
56	Heat capacity, structure, and p-T phase diagram of elpasolite (NH ₄) ₂ KMoO ₃ F ₃ . <i>Physics of the Solid State</i> , 2007 , 49, 141-147	0.8	4
55	Studies of the thermodynamic properties of the ordered perovskites Pb ₂ CdWO ₆ and Pb ₂ YbTaO ₆ within a broad temperature range. <i>Physics of the Solid State</i> , 2002 , 44, 353-357	0.8	4

54	Heat capacity and the p-T phase diagram of Pb ₂ MgTeO ₆ elpasolite. <i>Physics of the Solid State</i> , 2001 , 43, 345-349	0.8	4
53	The p\$ndash\$T phase diagram of ammonium hexafluoroaluminate. <i>Journal of Physics Condensed Matter</i> , 2002 , 14, 6447-6453	1.8	4
52	Investigations of ferroelastic phase transitions in ABF ₆ ·6H ₂ O crystals (A: Zn, Co, Mg, Mn, Fe; B: Ti, Si). <i>Ferroelectrics</i> , 1993 , 143, 11-16	0.6	4
51	Specific Heat and Thermal Expansion of Triglycine SulfatePorous Glass Nanocomposites. <i>Physics of the Solid State</i> , 2018 , 60, 1338-1343	0.8	4
50	(NH ₄) ₃ HfF ₇ : Crystallooptical and calorimetric studies of a number of successive phase transitions. <i>Journal of Fluorine Chemistry</i> , 2017 , 204, 45-49	2.1	3
49	Thermophysical study of structural phase transitions in Na _{0.95} Li _{0.05} NbO ₃ solid solution. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2016 , 80, 1046-1050	0.4	3
48	Electrocaloric and Barocaloric Effects in Some Ferroelectric Hydrosulfates and Triglycinesulfate. <i>Ferroelectrics</i> , 2012 , 430, 78-83	0.6	3
47	Specific heat, cell parameters, phase T-p diagram, and permittivity of cryolite (NH ₄) ₃ Nb(O ₂) ₂ F ₄ . <i>Physics of the Solid State</i> , 2011 , 53, 2147-2153	0.8	3
46	Inelastic neutron scattering study of the specific features of the phase transitions in (NH ₄) ₂ WO ₂ F ₄ . <i>Physics of the Solid State</i> , 2009 , 51, 2362-2366	0.8	3
45	Heat capacity, structural disorder, and the phase transition in cryolite (NH ₄) ₃ Ti(O ₂)F ₅ . <i>Physics of the Solid State</i> , 2006 , 48, 1559-1567	0.8	3
44	A study of the phase diagrams of (NH ₄) ₃ Ga _{1-x} Sc _x F ₆ ammonium cryolites. <i>Physics of the Solid State</i> , 2002 , 44, 1954-1960	0.8	3
43	Calorimetric investigations of phase transitions in the cryolites (NH ₄) ₃ Ga _{1-x} Sc _x F ₆ (x=1.0,0.1,0). <i>Physics of the Solid State</i> , 1999 , 41, 468-473	0.8	3
42	Ferroelastic phase transition in elpasolite Tl ₂ KInF ₆ . <i>Phase Transitions</i> , 1996 , 56, 79-85	1.3	3
41	Thermodynamic Investigations of the Phase Transition in Ferroelastic CoZrF ₆ . <i>Physica Status Solidi (B): Basic Research</i> , 1992 , 169, 65-71	1.3	3
40	Structures and phase transitions in crystals related to K ₂ SO ₄ . <i>Ferroelectrics</i> , 1989 , 95, 3-7	0.6	3
39	The study op phase transitions in single crystals with elpasolite structure. <i>Ferroelectrics</i> , 1984 , 54, 237-240	0.6	3
38	Calorimetric study of the ferroelectric phase transitions in CsLiWO ₄ crystal. <i>Ferroelectrics, Letters Section</i> , 1983 , 44, 235-239	0.5	3
37	Thermal properties of (NH ₄) ₂ MeF ₆ ·NH ₄ F (Me: Ti, Sn) crystals undergoing transformation between two cubic phases. <i>Ferroelectrics</i> , 2016 , 501, 20-25	0.6	3

36	Optical and calorimetric studies of K ₂ TaF ₇ . <i>Journal of Fluorine Chemistry</i> , 2019 , 222-223, 75-80	2.1	2
35	Calorimetric, dilatometric and DTA under pressure studies of the phase transitions in elpasolite (NH ₄) ₂ KZrF ₇ . <i>Journal of Fluorine Chemistry</i> , 2020 , 235, 109523	2.1	2
34	Studies of the heat capacity and thermal expansion of the Na _{0.95} K _{0.05} NbO ₃ solid solution. <i>Physics of the Solid State</i> , 2014 , 56, 367-372	0.8	2
33	Heat capacity and structure of Rb ₂ KMeO ₃ F ₃ (Me: Mo, W) elpasolites. <i>Solid State Sciences</i> , 2012 , 14, 166-170	2	2
32	Refinement of the crystal structure of the high-temperature phase G 0 in (NH ₄) ₂ WO ₂ F ₄ (powder, X-ray, and neutron scattering). <i>Crystallography Reports</i> , 2013 , 58, 129-134	0.6	2
31	Effect of a restricted geometry on thermal and dielectric properties of NH ₄ HSO ₄ ferroelectric. <i>Ferroelectrics</i> , 2017 , 513, 44-50	0.6	2
30	Thermal expansion and permittivity of (Ba _{1-x} Bi _{2x/3})TiO ₃ solid solutions. <i>Physics of the Solid State</i> , 2011 , 53, 2073-2079	0.8	2
29	Thermodynamic properties of (NH ₄) ₂ KGaF ₆ elpasolite. <i>Physics of the Solid State</i> , 2001 , 43, 2301-2306	0.8	2
28	Ferroelastic phase transitions in elpasolites. <i>Ferroelectrics</i> , 1985 , 64, 25-27	0.6	2
27	The structure and phase transitions in oxyfluoride (ND ₄) ₂ MoO ₂ F ₄ . <i>Solid State Sciences</i> , 2016 , 61, 155-160	0.4	2
26	Comparative analysis of elastocaloric and barocaloric effects in single-crystal and ceramic ferroelectric (NH ₄) ₂ SO ₄ . <i>Scripta Materialia</i> , 2021 , 191, 149-154	5.6	2
25	Investigation of thermal properties and structure of complex fluoride K ₃ ZrF ₇ . <i>Journal of Fluorine Chemistry</i> , 2021 , 241, 109677	2.1	2
24	Effect of Deuteration on the Thermodynamic Properties of Dioxotetrafluoromolybdate(VI), (NH)MoOF. <i>Inorganic Chemistry</i> , 2017 , 56, 6706-6711	5.1	1
23	Effect of Deuteration on Phase Transitions in Vanadium Dioxotetrafluoride. <i>Physics of the Solid State</i> , 2019 , 61, 192-200	0.8	1
22	Effect of Isovalent Cation Substitution on the Thermal, Caloric, and Magnetocaloric Properties of the (La _{1-y} Euy)0.7Pb0.3MnO ₃ Manganites. <i>Physics of the Solid State</i> , 2019 , 61, 62-68	0.8	1
21	Anisotropy of piezocaloric effect at ferroelectric phase transitions in ammonium hydrogen sulphate. <i>Journal of Alloys and Compounds</i> , 2020 , 839, 155085	5.7	1
20	Behaviour of thermal expansion of (1-x)Pb(Ni _{1/3} Nb _{2/3})O ₃ –PbTiO ₃ solid solutions. <i>Proceedings of the Estonian Academy of Sciences</i> , 2017 , 66, 363	1.6	1
19	X-Ray, Dielectric, and Thermophysical Studies of Rubidium Tetrachlorozincate inside Porous Glasses. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2019 , 83, 1072-1076	0.4	1

18	Structural, spectroscopic, and thermophysical investigations of the oxyfluorides CsZnMoO ₃ F ₃ and CsMnMoO ₃ F ₃ with the pyrochlore structure. <i>Physics of the Solid State</i> , 2014 , 56, 599-605	0.8	1
17	The influence of deuteration on the phase transitions in (NH ₄) ₃ Me ₃ +F ₆ cryolites (Me ₃ + = Sc and Ga). <i>Physics of the Solid State</i> , 2002 , 44, 1961-1966	0.8	1
16	Low-temperature specific heat of the Rb ₂ KScF ₆ elpasolite. <i>Physics of the Solid State</i> , 2003 , 45, 167-170	0.8	1
15	Specific heat of the elpasolite Pb ₂ MgWO ₆ . <i>Physics of the Solid State</i> , 1999 , 41, 1544-1546	0.8	1
14	Calorimetric study of the ferroelectric phase transitions in CsLiWO ₄ crystal. <i>Ferroelectrics</i> , 1982 , 44, 235-239	0.8	1
13	Heat capacity, thermal expansion and sensitivity to hydrostatic pressure of (NH ₄) ₃ SiF ₇ at successive structural phase transitions. <i>Journal of Solid State Chemistry</i> , 2019 , 276, 152-158	3.3	0
12	Thermodynamic Properties of Vanadium Oxyhexafluoride (IV) (NH ₄) ₃ VOF ₅ . <i>Physics of the Solid State</i> , 2020 , 62, 1271-1279	0.8	0
11	Thermal expansion and polarization of (1-x)PNN-xPT solid solutions. <i>Integrated Ferroelectrics</i> , 2019 , 196, 60-63	0.8	0
10	Thermal behavior of ammonium-containing titanium and germanium fluoride complexes (NH ₄) ₄ Li ₂ (AF ₆) ₃ and NH ₄ NaAF ₆ (A = Ge or Ti). <i>Russian Journal of Inorganic Chemistry</i> , 2008 , 53, 583-587	1.5	1
9	Heat capacity and thermal expansion study of Ba _{0.9} Bi _{0.067} (Ti _{1-x} Zrx)O ₃ ceramics. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 346237	1.8	1
8	Calorimetric and optical studies of orthorhombic and cubic CsLiCrO ₄ crystals. <i>Physics of the Solid State</i> , 2006 , 48, 2171-2176	0.8	1
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6	Automating continuous-heating adiabatic calorimetry. <i>Measurement Techniques</i> , 1988 , 31, 771-773	0.4	1
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4	Mechanism and nature of phase transitions in the (NH ₄) ₃ MoO ₃ F ₃ oxyfluoride 2010 , 50, 515		
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2	Phase transition in RbCdZrF ₇ : Structure and thermal properties. <i>Journal of Fluorine Chemistry</i> , 2021 , 245, 109748	2.1	1
1	Effect of Sequential Heat Impacts on the Formation of a Stable State of the xLPM(1-x)PT Multiferroic Composites. <i>Physics of the Solid State</i> , 2018 , 60, 2524-2531	0.8	1

