

# Elena Charnaya

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8134390/publications.pdf>

Version: 2024-02-01

207  
papers

1,813  
citations

279798

23  
h-index

454955

30  
g-index

207  
all docs

207  
docs citations

207  
times ranked

772  
citing authors

#	ARTICLE	IF	CITATIONS
1	Superconductivity of gallium in various confined geometries. Physical Review B, 1998, 58, 467-472.	3.2	66
2	Solidification and melting of mercury in a porous glass as studied by NMR and acoustic techniques. Physical Review B, 1998, 58, 5329-5335.	3.2	51
3	Coexistence of melted and ferroelectric states in sodium nitrite within mesoporous sieves. Physical Review B, 2005, 72, .	3.2	46
4	Possible liquid-liquid transition of gallium confined in opal. Physical Review B, 2006, 74, .	3.2	35
5	Ferroelectricity in an Array of Electrically Coupled Confined Small Particles. Ferroelectrics, 2007, 350, 75-80.	0.6	35
6	Properties of gallium in porous glass. Physical Review B, 1996, 54, 11880-11882.	3.2	32
7	X-ray studies of the melting and freezing phase transitions for gallium in a porous glass. Physical Review B, 1998, 58, 11089-11092.	3.2	31
8	Dielectric and calorimetric investigations of KNO <sub>3</sub> in pores of nanoporous silica matrices MCM-41. Physics of the Solid State, 2012, 54, 636-641.	0.6	31
9	Spin-Lattice Relaxation Enhancement in Liquid Gallium Confined within Nanoporous Matrices. Physical Review Letters, 2002, 88, 097602.	7.8	30
10	Dielectric and NMR studies of nanoporous matrices loaded with sodium nitrite. Physics of the Solid State, 2006, 48, 593-599.	0.6	30
11	NMR studies of structure and ferroelectricity for Rochelle salt nanoparticles embedded in mesoporous sieves. Journal of Physics Condensed Matter, 2008, 20, 215205.	1.8	28
12	Structural variations in nanosized confined gallium. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 1570-1573.	2.1	28
13	Superconductivity of gallium in porous glass. Physica C: Superconductivity and Its Applications, 1996, 269, 313-324.	1.2	27
14	Phase transitions for gallium microparticles in a porous glass. Solid State Communications, 1994, 92, 531-533.	1.9	26
15	Phenomenological model for the antiferroelectric phase transition in thin films and small particles. Physica B: Condensed Matter, 2001, 305, 97-104.	2.7	26
16	Superconductivity and structure of gallium under nanoconfinement. Journal of Physics Condensed Matter, 2009, 21, 455304.	1.8	26
17	Effect of confined geometry on linear and nonlinear dielectric properties of triglycine sulfate near the phase transition. Physics of the Solid State, 2011, 53, 1212-1215.	0.6	26
18	Nuclear magnetic resonance, resistance and acoustic studies of the melting-freezing phase transition of gallium in Vycor glass. Journal of Physics Condensed Matter, 1999, 11, 10259-10268.	1.8	25

#	ARTICLE	IF	CITATIONS
19	Double-step resistive superconducting transitions of indium and gallium in porous glass. <i>Physical Review B</i> , 2000, 61, 14833-14838.	3.2	25
20	NMR studies of metallic tin confined within porous matrices. <i>Physical Review B</i> , 2007, 75, .	3.2	25
21	Stabilization of ferroelectricity in KNO <sub>3</sub> embedded into MCM-41 molecular sieves. <i>Physica B: Condensed Matter</i> , 2010, 405, 3299-3302.	2.7	25
22	X-ray and resistance studies of the melting and freezing phase transitions for gallium in an opal. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 7273-7282.	1.8	23
23	Ferroelectricity and gradual melting in NaNO <sub>2</sub> particles confined within porous alumina. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 2346-2351.	1.5	23
24	Dielectric studies of nanoporous alumina films filled with the Rochelle salt. <i>Physics of the Solid State</i> , 2010, 52, 1444-1447.	0.6	23
25	Dielectric Properties of Mesoporous Sieves Filled with NaNO <sub>2</sub> . <i>Ferroelectrics</i> , 2008, 363, 177-186.	0.6	22
26	Ferroelectricity in Rochelle Salt Nanoparticles Confined to Porous Alumina. <i>Ferroelectrics</i> , 2010, 396, 3-9.	0.6	22
27	Acoustic studies of melting and freezing for mercury embedded into Vycor glass. <i>Physica B: Condensed Matter</i> , 2001, 299, 56-63.	2.7	19
28	Phase transitions in K <sup>+</sup> NaNO <sub>3</sub> embedded into molecular sieves. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 325902.	1.8	19
29	Nuclear magnetic resonance and acoustic investigations of the melting - freezing phase transition of gallium in a porous glass. <i>Journal of Physics Condensed Matter</i> , 1997, 9, 3377-3386.	1.8	18
30	Phase transitions in KNO <sub>3</sub> embedded in MCM-41 films with regular nanopores. <i>Physics of the Solid State</i> , 2013, 55, 2566-2570.	0.6	17
31	Heat capacity of rare-earth aluminum garnets. <i>Journal of Alloys and Compounds</i> , 2017, 717, 183-189.	5.5	17
32	Impact of nanoconfinement on the diisopropylammonium chloride (C <sub>6</sub> H <sub>16</sub> ClN) organic ferroelectric. <i>Phase Transitions</i> , 2018, 91, 293-300.	1.3	17
33	<sup>27</sup> Al and <sup>45</sup> Sc NMR Studies of the Y <sub>3</sub> ScxAl <sub>5</sub> xO <sub>12</sub> Mixed Garnets. <i>Physica Status Solidi (B): Basic Research</i> , 2002, 233, 222-229.	1.5	16
34	Ferroelastic phase transition in LiCsSO <sub>4</sub> embedded into molecular sieves. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 375, 183-186.	2.1	16
35	Magnetic and dielectric studies of multiferroic CuO nanoparticles confined to porous glass. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 2921-2925.	2.3	16
36	<sup>27</sup> Al nuclear magnetic resonance studies of the Y <sub>3</sub> -xLuxAl <sub>5</sub> O <sub>12</sub> mixed garnets. <i>Journal of Physics Condensed Matter</i> , 2001, 13, 8775-8782.	1.8	15

#	ARTICLE	IF	CITATIONS
37	Atomic mobility in liquid gallium under nanoconfinement. <i>Physical Review B</i> , 2005, 72, .	3.2	15
38	Dielectric parameters of mesoporous sieves filled with NaNO <sub>2</sub> . <i>Physics of the Solid State</i> , 2007, 49, 791-795.	0.6	15
39	Vortex avalanches in a Pb-porous glass nanocomposite. <i>Physical Review B</i> , 2011, 83, .	3.2	15
40	The Transverse Ising Model of the Ferroelectric Phase Transition in a System of Coupled Small Particles. <i>Ferroelectrics</i> , 2015, 482, 70-81.	0.6	15
41	Dielectric studies of ferroelectric NH <sub>4</sub> HSO <sub>4</sub> nanoparticles embedded into porous matrices. <i>Ferroelectrics</i> , 2016, 493, 85-92.	0.6	15
42	Acoustic studies of phase transitions in crystals and nanocomposites. <i>Acoustical Physics</i> , 2008, 54, 802-813.	1.0	14
43	Acoustic studies of imperfect TGS crystals. <i>Ferroelectrics</i> , 1990, 112, 45-54.	0.6	13
44	Freezing and melting of gallium in porous glass. <i>Solid State Communications</i> , 1997, 104, 753-757.	1.9	13
45	Influence of confined geometry on nuclear spin relaxation and self-diffusion in liquid indium. <i>Physical Review B</i> , 2004, 70, .	3.2	13
46	Dielectric properties of mixed NaNO <sub>2</sub> -KNO <sub>3</sub> ferroelectrics in nanoporous silicate matrices. <i>Physics of the Solid State</i> , 2009, 51, 1243-1247.	0.6	13
47	Ising model for a ferroelectric phase transition in a system of interacting small particles. <i>Physics of the Solid State</i> , 2010, 52, 620-624.	0.6	13
48	Structural features of solid gallium in microporous glass. <i>Physics of the Solid State</i> , 1998, 40, 1407-1408.	0.6	12
49	Acoustic study of melting and freezing of mercury nanoparticles in porous glasses. <i>Acoustical Physics</i> , 2006, 52, 138-143.	1.0	12
50	Size Effects in Fine Barium Titanate Particles. <i>Ferroelectrics</i> , 2010, 400, 135-143.	0.6	12
51	Transport characteristics of phonons and the specific heat of Y <sub>2</sub> O <sub>3</sub> :ZrO <sub>2</sub> solid solution single crystals. <i>Journal of Experimental and Theoretical Physics</i> , 2017, 125, 768-774.	0.9	12
52	NMR studies of gallium embedded into a porous glass. <i>Physica B: Condensed Matter</i> , 1997, 229, 268-274.	2.7	11
53	Solidification and melting of gallium and mercury in porous glasses as studied by NMR and acoustic techniques. <i>Scripta Materialia</i> , 1999, 12, 515-518.	0.5	11
54	The Knight shift in liquid gallium confined within porous glasses and opals. <i>Journal of Physics Condensed Matter</i> , 2003, 15, 5469-5477.	1.8	11

#	ARTICLE	IF	CITATIONS
55	Slowdown of self-diffusion induced by partial freezing in confined liquid indium. <i>Physical Review B</i> , 2007, 75, .	3.2	11
56	Acoustic Studies of $\text{LiKSO}_4$ Crystals in the 290 to 930 K Region. <i>Physica Status Solidi (B): Basic Research</i> , 1994, 181, 337-343.	1.5	10
57	Superconductivity of gallium in confined geometries. <i>Solid State Communications</i> , 1995, 94, 635-641.	1.9	10
58	NMR Studies of Mixed $\text{Y}_3\text{xYbxAl}_5\text{O}_{12}$ Crystals. <i>Physica Status Solidi (B): Basic Research</i> , 1999, 213, 433-440.	1.5	10
59	Peculiarities of gallium crystallization in confined geometry. <i>Physics of the Solid State</i> , 2004, 46, 2286-2291.	0.6	10
60	Evolution of $\text{NaNO}_2$ in porous matrices. <i>Physics of the Solid State</i> , 2004, 46, 2301-2305.	0.6	10
61	Acoustic studies of melting and crystallization of indium-gallium alloy in porous glass. <i>Acoustical Physics</i> , 2011, 57, 637-641.	1.0	10
62	Magnetization jumps in a lead-porous glass composite: Experiment and simulation. <i>Journal of Applied Physics</i> , 2011, 109, .	2.5	10
63	Dielectric properties of the nanoporous MCM-41 matrix filled with the $(\text{NH}_4)_2\text{SO}_4$ ferroelectric. <i>Physics of the Solid State</i> , 2013, 55, 1070-1073.	0.6	10
64	Nuclear magnetic resonance study of a $\text{Bi}_2\text{Te}_3$ topological insulator. <i>Physics of the Solid State</i> , 2015, 57, 1741-1745.	0.6	10
65	Polymorphism of Ga-In alloys in nanoconfinement conditions. <i>Physics of the Solid State</i> , 2015, 57, 131-135.	0.6	10
66	Liquid-liquid transition in supercooled gallium alloys under nanoconfinement. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 255101.	1.8	10
67	Size Effect in Nanocomposites Based on Molecular Ferroelectric Diisopropylammonium Bromide. <i>Physics of the Solid State</i> , 2019, 61, 134-138.	0.6	10
68	Phenomenological Theory of the Incommensurate Phase Transition in Thin Films. <i>Ferroelectrics</i> , 2003, 297, 29-37.	0.6	9
69	Influence of the geometry of a porous network on the phase transition in a ferroelectric embedded in a porous matrix. <i>Physics of the Solid State</i> , 2007, 49, 339-342.	0.6	9
70	Superionic phase transition in $\text{AgI}$ embedded in molecular sieves. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 025214.	1.8	9
71	Dielectric properties of crystalline binary $\text{KNO}_3\text{-AgNO}_3$ mixtures embedded in nanoporous silicate matrices. <i>Physics of the Solid State</i> , 2010, 52, 392-396.	0.6	9
72	NMR study of topological insulator $\text{Bi}_2\text{Te}_3$ in a wide temperature range. <i>Physics of the Solid State</i> , 2017, 59, 2331-2339.	0.6	9

#	ARTICLE	IF	CITATIONS
73	Sound velocity hysteresis in the high temperature incommensurate phase range of LiKSO <sub>4</sub> crystal. Solid State Communications, 1993, 85, 443-445.	1.9	8
74	NMR Studies of Gallium Embedded in an Opal-like Porous Medium. Journal of Magnetic Resonance Series A, 1996, 122, 67-71.	1.6	8
75	Dielectric and NMR Studies of the superionic conductor AgI embedded in mesoporous silicate matrices. Physics of the Solid State, 2008, 50, 1342-1346.	0.6	8
76	Investigation of Barium Titanate Nanoparticles by <sup>137</sup> Ba NMR. Ferroelectrics, 2008, 363, 215-226.	0.6	8
77	Acoustic and NMR investigations of melting and crystallization of indium-gallium alloys in pores of synthetic opal matrices. Acoustical Physics, 2016, 62, 306-312.	1.0	8
78	NMR studies of single crystals of the topological insulator Bi <sub>2</sub> Te <sub>3</sub> at low temperatures. Physics of the Solid State, 2017, 59, 855-859.	0.6	8
79	<sup>7</sup> Li NMR in LiNbO <sub>3</sub> crystals with different nonstoichiometry. Ferroelectrics, 1997, 202, 115-119.	0.6	7
80	Acoustic study of the ferroelastic phase transition in LiCsSO <sub>4</sub> crystal. Physics of the Solid State, 2001, 43, 732-736.	0.6	7
81	Fluorine mobility in an aluminum-doped CeF <sub>3</sub> crystal: NMR and conductivity studies. Physics of the Solid State, 2004, 46, 1627-1630.	0.6	7
82	Effect of alkali-earth ions on the local structure of LaAlO <sub>3</sub> -La <sub>0.67</sub> A <sub>0.33</sub> MnO <sub>3</sub> (A = Ca, Sr, Ba) diluted solid solutions: <sup>27</sup> Al NMR studies. Physics of the Solid State, 2007, 49, 449-453.	0.6	7
83	Acoustic studies of melting and crystallization of nanostructured decane. Physics of the Solid State, 2009, 51, 823-828.	0.6	7
84	Superconductivity in Sn nanocomposites. Superconductor Science and Technology, 2013, 26, 055009.	3.5	7
85	Phase transitions in the (BaTiO <sub>3</sub> )/(BiFeO <sub>3</sub> ) <sub>1-x</sub> composite ceramics: Dielectric studies. Composites Part B: Engineering, 2015, 80, 15-19.	12.0	7
86	Polymorphism of Metallic Sodium under Nanoconfinement. Nano Letters, 2016, 16, 791-794.	9.1	7
87	Heat capacity jumps induced by magnetic field in the Er <sub>2</sub> HoAl <sub>5</sub> O <sub>12</sub> garnet. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 330-333.	2.1	7
88	Features of the Low-Temperature Heat Capacity of Er <sub>3-x</sub> Tm <sub>x</sub> Al <sub>5</sub> O <sub>12</sub> Garnet Single Crystals. Journal of Communications Technology and Electronics, 2019, 64, 811-817.	0.5	7
89	Separating of Lattice and Impurity Contributions in Nuclear-Spin-Lattice Relaxation Under Steady Saturation Conditions. Journal of Magnetic Resonance Series A, 1995, 112, 96-101.	1.6	6
90	Phase transition in vortex system and irreversibility for superconducting gallium in porous glass. Physica C: Superconductivity and Its Applications, 1996, 273, 91-98.	1.2	6

#	ARTICLE	IF	CITATIONS
91	Incommensurate Phase Transition in a Thin Film. <i>Ferroelectrics</i> , 2011, 413, 399-408.	0.6	6
92	Effect of coupling with strain in multiferroics on phase diagrams and elastic anomalies. <i>Physica B: Condensed Matter</i> , 2014, 443, 49-53.	2.7	6
93	Specific Heat and Phonon Transport in Er-Containing Rare-Earth <sup>3+</sup> Aluminum Garnets at Liquid-Helium Temperatures. <i>Journal of Experimental and Theoretical Physics</i> , 2018, 127, 705-712.	0.9	6
94	Ionic mobility in ferroelectric and piezoelectric crystals. <i>Ferroelectrics</i> , 1994, 155, 141-146.	0.6	5
95	Acoustical studies of phase transitions in some lithium-containing ferroelastics. <i>Ferroelectrics</i> , 1996, 185, 161-164.	0.6	5
96	Acoustic Studies of Low-Temperature Phase Transitions in LiKSO <sub>4</sub> Crystals. <i>Physica Status Solidi (B): Basic Research</i> , 1997, 199, 51-57.	1.5	5
97	Quadrupole and paramagnetic interactions of <sup>27</sup> Al nuclei in mixed yttrium-dysprosium-aluminum garnets Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> . <i>Physics of the Solid State</i> , 1998, 40, 956-959.	0.6	5
98	Quadrupole splitting of the <sup>7</sup> Li NMR line in LiNbO <sub>3</sub> crystals. <i>Ferroelectrics</i> , 1998, 208-209, 225-236.	0.6	5
99	Temperature dependence of the <sup>7</sup> Li quadrupole constant in LiTaO <sub>3</sub> . <i>Ferroelectrics</i> , 1999, 234, 223-234.	0.6	5
100	Acoustic study of the melting and solidification of gallium incorporated in an opal matrix. <i>Physics of the Solid State</i> , 2000, 42, 193-196.	0.6	5
101	Ab initio Cluster Calculations of the Electric Field Gradients at the Nb Site in the LiNbO <sub>3</sub> Crystal. <i>Physica Status Solidi (B): Basic Research</i> , 2001, 225, 171-177.	1.5	5
102	Acoustic studies of the ferroelastic phase transition in the K <sub>3</sub> Na(CrO <sub>4</sub> ) <sub>2</sub> crystal. <i>Physica Status Solidi (B): Basic Research</i> , 2003, 240, 240-245.	1.5	5
103	Size effect in nuclear spin-lattice relaxation and atomic mobility for molten gallium particles. <i>Physics of the Solid State</i> , 2003, 45, 2352-2356.	0.6	5
104	MAS NMR studies of nanoporous matrices filled with sodium nitrite. <i>Physics of the Solid State</i> , 2009, 51, 2152-2156.	0.6	5
105	Influence of size effects on the Knight shift of NMR lines in the gallium-indium alloy. <i>Physics of the Solid State</i> , 2012, 54, 1104-1107.	0.6	5
106	Ac susceptibility studies of a superconducting gallium nanocomposite: Crossover in the upper critical field line and activation barriers. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	5
107	Continuous melting and thermal-history-dependent freezing in the confined Na-K eutectic alloy. <i>Physical Review B</i> , 2013, 87, .	3.2	5
108	Dielectric Studies of Thiourea, S <sub>2</sub> C <sub>2</sub> (NH <sub>2</sub> ) <sub>2</sub> , Embedded into Molecular Sieves. <i>Ferroelectrics</i> , 2014, 471, 109-117.	0.6	5

#	ARTICLE	IF	CITATIONS
109	Phonon spectroscopy of the low-energy excitations in the solid solutions of yttrium-rare-earth metal-aluminum garnets. <i>Journal of Experimental and Theoretical Physics</i> , 2015, 121, 48-53.	0.9	5
110	Impact of opal nanoconfinement on electronic properties of sodium particles: NMR studies. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 705-709.	2.1	5
111	NMR and dielectric studies of ferroelectric nanocomposites with KDP. <i>Ferroelectrics</i> , 2017, 514, 50-60.	0.6	5
112	Field-induced magnetic transition in a mixed rare-earth aluminum garnet Er <sub>2</sub> HoAl <sub>5</sub> O <sub>12</sub> . <i>Physics of the Solid State</i> , 2017, 59, 733-736.	0.6	5
113	Phase transitions in bulk and confined organic ferroelectric DIPAl. <i>Results in Physics</i> , 2020, 17, 103069.	4.1	5
114	Dielectric and Thermal Properties of KNO <sub>3</sub> Encapsulated in Carbon Nanotubes. <i>Physics of the Solid State</i> , 2021, 63, 872-876.	0.6	5
115	Frequency-independent order parameter relaxation time in TGS crystals. <i>Ferroelectrics</i> , 1993, 143, 143-148.	0.6	4
116	Acoustical studies of LiKSO <sub>4</sub> , K <sub>4</sub> LiH <sub>3</sub> (SO <sub>4</sub> ) <sub>4</sub> , and LiCsSO <sub>4</sub> crystals. <i>Ferroelectrics</i> , 1994, 158, 7-11.	0.6	4
117	Direct measurements of impurity and lattice components of the nuclear spin-lattice relaxation in Al <sub>2</sub> O <sub>3</sub> crystals. <i>Journal of Physics Condensed Matter</i> , 1994, 6, 7581-7588.	1.8	4
118	Impurity Nuclear Spin-Lattice Relaxation Suppression and Charge Exchange of Chromium Ions in a <sup>13</sup> B-Irradiated Ruby Crystal. <i>Journal of Magnetic Resonance</i> , 1998, 135, 113-117.	2.1	4
119	Resonance ultrasound attenuation in the doped CeF <sub>3</sub> superionic crystal. <i>Physical Review B</i> , 2002, 65, .	3.2	4
120	Temperature dependence of the spin-lattice relaxation time for quadrupole nuclei under conditions of NMR line saturation. <i>Physics of the Solid State</i> , 2002, 44, 1044-1049.	0.6	4
121	Effect of substitutional order on the relaxation of aluminum nuclei in Y <sub>3-x</sub> Lu <sub>x</sub> Al <sub>5</sub> O <sub>12</sub> mixed garnets. <i>Physics of the Solid State</i> , 2003, 45, 1672-1675.	0.6	4
122	Ferroelastic phase transition in crystalline K <sub>3</sub> Na(CrO <sub>4</sub> ) <sub>2</sub> : Acoustic studies. <i>Physics of the Solid State</i> , 2004, 46, 775-779.	0.6	4
123	Size Effects on the Incommensurate Phase Transition in Thin Films. <i>Ferroelectrics</i> , 2009, 386, 62-69.	0.6	4
124	Studies of TGS in nanoscale silicate matrices by nonlinear dielectric spectroscopy. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2011, 75, 1112-1114.	0.6	4
125	Double anomalies in heat capacity and dc and ac magnetization in a superconducting Pb-porous glass nanocomposite. <i>Physica C: Superconductivity and Its Applications</i> , 2012, 477, 51-55.	1.2	4
126	Magnetic properties of some opal-based nanocomposites. <i>Physics of the Solid State</i> , 2013, 55, 629-633.	0.6	4



#	ARTICLE	IF	CITATIONS
127	Diffusion slowdown in the nanostructured liquid GaIn alloy. <i>Annalen Der Physik</i> , 2015, 527, 248-253.	2.4	4
128	Linear and nonlinear dielectric properties of BaTiO <sub>3</sub> /Si film heterostructures prepared by pulsed laser deposition. <i>Physics of the Solid State</i> , 2015, 57, 395-398.	0.6	4
129	Dielectric properties of an organic ferroelectric of bromide diisopropylammonium embedded into the pores of nanosized Al <sub>2</sub> O <sub>3</sub> films. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 485704.	1.8	4
130	Low-Temperature Heat Capacity and Phonon Kinetics in Some Rare-Earth Pentaphosphate Single Crystals and Glasses. <i>Journal of Experimental and Theoretical Physics</i> , 2019, 129, 849-854.	0.9	4
131	Kinetic Characteristics of Phonons and the Structural Heterogeneities of the Monoaluminate Y <sub>1-x</sub> Er <sub>x</sub> AlO <sub>3</sub> Solid Solutions. <i>Journal of Experimental and Theoretical Physics</i> , 2020, 130, 76-81.	0.9	4
132	Structure and Ordering of Mixed Aluminates Y <sub>1-x</sub> Er <sub>x</sub> AlO <sub>3</sub> by NMR, Acoustic, and Heat Pulse Techniques. <i>Physica Status Solidi A</i> , 1995, 147, 313-324.	1.7	3
133	Inhomogeneous states of a thin-film incommensurate ferroelectric. <i>Physics of the Solid State</i> , 2003, 45, 2166-2170.	0.6	3
134	Cluster Calculations of Electric-Field-Gradients at the Ta Site for the Ferroelectric LiTaO <sub>3</sub> Crystal. <i>Ferroelectrics</i> , 2003, 282, 1-7.	0.6	3
135	Ultrasonic attenuation in a LiIO <sub>3</sub> crystal. <i>Acoustical Physics</i> , 2006, 52, 77-80.	1.0	3
136	Influence of pore size on the Knight shift in liquid tin and mercury in a confined geometry. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 106217.	1.8	3
137	Phase transition in sodium bismuth tungstate NaBi(WO <sub>4</sub> ) <sub>2</sub> – acoustic studies. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 1517-1519.	1.5	3
138	Acoustic studies of melting and crystallization of sodium nitrite nanocrystals in the pores of mesoporous silicate matrices. <i>Acoustical Physics</i> , 2009, 55, 55-60.	1.0	3
139	The effect of melting and crystallization of indium within pores on properties of photonic crystals at different pore fillings. <i>Acoustical Physics</i> , 2009, 55, 816-820.	1.0	3
140	Inhomogeneous configurations in the Lifshitz-type improper incommensurate ferroelectric thin films. <i>Physics of the Solid State</i> , 2009, 51, 1570-1573.	0.6	3
141	Double peaks on ac magnetization in a superconducting Pb-porous glass nanocomposite. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 4942-4944.	2.1	3
142	Atomic mobility in nanostructured liquid GaIn alloy. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 195108.	1.8	3
143	Slowdown of atomic diffusion in liquid gallium-indium alloy under different nanoconfinements. <i>Physica B: Condensed Matter</i> , 2012, 407, 2063-2067.	2.7	3
144	Paramagnetic response in a Pb-porous glass nanocomposite superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 2013, 495, 221-224.	1.2	3

#	ARTICLE	IF	CITATIONS
145	Acoustic investigation of NaBi(MoO <sub>4</sub> ) <sub>2</sub> and NaBi(WO <sub>4</sub> ) <sub>2</sub> crystals at high temperatures. Bulletin of the Russian Academy of Sciences: Physics, 2015, 79, 1306-1309.	0.6	3
146	Dielectric studies of ferroelectric nanocomposites with KDP. Ferroelectrics, 2016, 501, 109-113.	0.6	3
147	<sup>77</sup> Se Low-Temperature NMR in the Bi <sub>2</sub> Se <sub>3</sub> Single Crystalline Topological Insulator. Applied Magnetic Resonance, 2018, 49, 599-605.	1.2	3
148	A Possible Liquid-Liquid Transition in a Ga-In Melt Introduced into an Opal Matrix. Physics of the Solid State, 2018, 60, 2640-2644.	0.6	3
149	Heat Capacity of Erbium-Doped Gallium-Gadolinium Garnet. Physics of the Solid State, 2018, 60, 1948-1952.	0.6	3
150	Dielectric Properties of Ferroelectric Nanocomposites Based on KD <sub>2</sub> PO <sub>4</sub> . Russian Physics Journal, 2018, 61, 989-993.	0.4	3
151	NMR Studies of a Nanocomposite Based on Molecular Ferroelectric Diisopropylammonium Bromide. Applied Magnetic Resonance, 2020, 51, 129-134.	1.2	3
152	Superconductivity in a Ga-Ag nanocomposite with dendritic morphology.. Physica C: Superconductivity and Its Applications, 2020, 574, 1353666.	1.2	3
153	Phonon Spectroscopy of the Schottky-Like Low-Energy Paramagnetic Excitations in Garnet Solid Solution Crystals. Journal of Experimental and Theoretical Physics, 2021, 132, 94-101.	0.9	3
154	<sup>125</sup> Te spin-lattice relaxation in a candidate to Weyl semimetals WTe <sub>2</sub> . Results in Physics, 2021, 21, 103793.	4.1	3
155	Impact of opal nanoconfinement on the ferroelectric transition in deuterated KDP. Results in Physics, 2021, 26, 104354.	4.1	3
156	NMR line shift of gallium in GaAs crystals in the temperature range 160-360 K. Physics of the Solid State, 1998, 40, 1288-1289.	0.6	2
157	Suppression of impurity relaxation in a <sup>135</sup> I-irradiated NaCl crystal. Physica B: Condensed Matter, 2000, 292, 109-113.	2.7	2
158	NMR of mercury in porous carbon and silica gel. Physics of the Solid State, 2003, 45, 1802-1807.	0.6	2
159	Phase transition in a NaBi(MoO <sub>4</sub> ) <sub>2</sub> crystal: Acoustic investigations. Physics of the Solid State, 2007, 49, 516-518.	0.6	2
160	<sup>23</sup> Na spin-lattice relaxation in powder Rochelle salt. Physics of the Solid State, 2007, 49, 1326-1329.	0.6	2
161	Self-diffusion slowdown in liquid indium and gallium metals under nanoconfinement. Microelectronics Journal, 2008, 39, 566-569.	2.0	2
162	Nature of the <sup>23</sup> Na Spin Relaxation Increase Near the Ferroelectric Phase Transition in Bulk and Confined Sodium Nitrite. Ferroelectrics, 2008, 366, 74-83.	0.6	2

#	ARTICLE	IF	CITATIONS
163	Dielectric studies of a $\hat{\Lambda}$ -LiIO <sub>3</sub> crystals grown from neutral and alkaline solutions. <i>Physics of the Solid State</i> , 2009, 51, 708-713.	0.6	2
164	Order Parameter Distribution and Phase Transition Temperature for a Thin Film With Asymmetric Boundaries. <i>Ferroelectrics</i> , 2012, 437, 8-15.	0.6	2
165	Magnetic properties of porous glass-CuO nanocomposites. <i>Physics of the Solid State</i> , 2012, 54, 1891-1895.	0.6	2
166	The study of the ferroelectric phase transition in nanoscale sodium nitrite by the method of thermal noise. <i>Physics Procedia</i> , 2012, 23, 77-80.	1.2	2
167	The morphologic correlation between vortex transformation and upper critical field line in opal-based nanocomposites. <i>Scientific Reports</i> , 2021, 11, 4807.	3.3	2
168	Phenomenological Theory of the Incommensurate Phase Transition in Thin Films. <i>Ferroelectrics</i> , 2003, 297, 29-37.	0.6	2
169	Calorimetry of Dy <sub>x</sub> Y <sub>3-2x</sub> Al <sub>5</sub> O <sub>12</sub> garnet solid solutions in magnetic field. <i>Journal of Applied Physics</i> , 2020, 128, 225101.	2.5	2
170	SANS Studies of the Gallium-Indium Alloy Structure within Regular Nanopores. <i>Nanomaterials</i> , 2022, 12, 2245.	4.1	2
171	Separation of the impurity and lattice components of the spin-lattice relaxation of Al <sup>27</sup> nuclei in corundum crystals under magnetic saturation conditions. <i>Physics of the Solid State</i> , 1997, 39, 935-937.	0.6	1
172	Magnetic properties of a cermet on the base of Al <sub>2</sub> O <sub>3</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , 2000, 220, 147-151.	2.3	1
173	Effect of a magnetic field on the orientation of the crystallographic axes in tin surface layers. <i>Physics of the Solid State</i> , 2010, 52, 1539-1541.	0.6	1
174	Ionic mobility and attenuation of ultrasound in doped cerium trifluoride crystals. <i>Russian Journal of Electrochemistry</i> , 2011, 47, 310-315.	0.9	1
175	Studies of nanoporous matrices filled with sodium nitrite by nonlinear dielectric spectroscopy. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2011, 75, 710-712.	0.6	1
176	Quantum chemical calculations of intracell potential profile in superionic transition range in LaF <sub>3</sub> . <i>Russian Journal of Electrochemistry</i> , 2013, 49, 1154-1159.	0.9	1
177	Influence of the fractality of opal matrices on melting and crystallization of decane in pores. <i>Russian Journal of General Chemistry</i> , 2013, 83, 2217-2221.	0.8	1
178	Elastic anomalies at phase transitions in multiferroics. <i>Acoustical Physics</i> , 2014, 60, 509-514.	1.0	1
179	Full Analysis of the Ferroelectric Phase Transition in a Thin Film with Various Boundary Conditions. <i>Ferroelectrics</i> , 2014, 460, 68-81.	0.6	1
180	Nuclear magnetic resonance investigation of metallic sodium nanoparticles in porous glass. <i>Physics of the Solid State</i> , 2016, 58, 1234-1238.	0.6	1

#	ARTICLE	IF	CITATIONS
181	Nuclear magnetic resonance study of potassium dihydrophosphate. Physics of the Solid State, 2016, 58, 685-688.	0.6	1
182	Features of defects of the crystal structure and magnetic properties of an undoped ZnO monocrystal. Journal of Communications Technology and Electronics, 2017, 62, 406-409.	0.5	1
183	Atomic mobility in a ternary liquid Ga-In-Sn alloy of the eutectic composition. Physics of the Solid State, 2017, 59, 362-367.	0.6	1
184	Dynamical shift of NMR lines in nanostructured Ga-In-Sn melt. Physics of the Solid State, 2017, 59, 2481-2485.	0.6	1
185	Size effects in the ferroelastic LiCsSO <sub>4</sub> . Ferroelectrics, 2019, 543, 12-17.	0.6	1
186	Suppression of the defect contribution to nuclear spin-lattice relaxation by long rf magnetic pulses for the particular case of <sup>23</sup> NaCl. Results in Physics, 2019, 12, 1202-1203.	4.1	1
187	Acoustic Studies of the Phase Transitions of Melting and Crystallization in Indium Gallium Alloys Embedded in the Pores of Mesoporous Silica Matrices. Bulletin of the Russian Academy of Sciences: Physics, 2020, 84, 657-661.	0.6	1
188	Structural Evolution of Diisopropylammonium Chloride (DIPAC) Molecular Ferroelectric. Physics of the Solid State, 2020, 62, 1195-1198.	0.6	1
189	Effect of Nanoconfinement on the Kinetics of Phase Transitions in Organic Ferroelectric DIPAC. Physics of the Solid State, 2020, 62, 1199-1203.	0.6	1
190	Stabilization of <sup>121</sup> Ga Structure in Nanostructured Ga-In Alloy. Applied Magnetic Resonance, 2021, 52, 1721-1727.	1.2	1
191	Dielectric properties of ferroelectric diisopropylammonium bromide embedded in porous glass. Journal of Physics: Conference Series, 2020, 1697, 012091.	0.4	1
192	Atomic Mobility in the Crystalline Phase of a Nanostructured Ga-In Alloy with the <sup>121</sup> Ga Structure. Physics of the Solid State, 2021, 63, 1739-1743.	0.6	1
193	Using Of Quantum Acoustic Methods For Detecting Small Number Of Impurities Acoustic Crystals. , 0, , .		0
194	Ionic conductivity in acoustic crystals. , 0, , .		0
195	Temperature features of ultrasonic attenuation in photochromic glasses with copper chloride nanocrystals. Acoustical Physics, 2008, 54, 647-653.	1.0	0
196	Nuclear magnetic resonance study of langatate. Physics of the Solid State, 2008, 50, 469-471.	0.6	0
197	Oriented tin on the metal surface obtained by crystallization in magnetic field. Journal of Magnetism and Magnetic Materials, 2010, 322, 2712-2714.	2.3	0
198	Specific heat and enthalpy of lattice disordering of LaF <sub>3</sub> superionic crystals. Inorganic Materials, 2010, 46, 1143-1146.	0.8	0

#	ARTICLE	IF	CITATIONS
199	Nonlinear dielectric properties of $\text{NaNO}_2$ in silicate matrices MCM-41. , 2010, , .		0
200	Size effects on the phase transitions in a thin multiferroic film. <i>Ferroelectrics</i> , 2016, 493, 30-38.	0.6	0
201	Linear and nonlinear dielectric properties of nanocomposites based on the organic ferroelectric of diisopropylammonium bromide. <i>Phase Transitions</i> , 2019, 92, 899-906.	1.3	0
202	NMR studies of 3D topological insulators over a large temperature range. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 525, 012003.	0.6	0
203	$^{13}\text{C}$ NMR of DIPAC and DIPAB organic ferroelectrics. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 505404.	1.8	0
204	Dielectric properties of ferroelectric diisopropylammonium iodide embedded in porous glass. <i>Ferroelectrics</i> , 2021, 575, 56-63.	0.6	0
205	10.1007/s11451-008-3012-x. , 2010, 50, 469.		0
206	Dielectric Properties of $\text{C}_6\text{H}_{16}\text{NBr}/\text{Al}_2\text{O}_3$ Ferroelectric Nanocomposites. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2020, 84, 1569-1572.	0.6	0
207	Dielectric and thermal properties of organic ferroelectric (R)-3-quinuclidinol in porous glass. <i>Journal of Physics: Conference Series</i> , 2021, 2103, 012198.	0.4	0