Sergey G Lushnikov

List of Publications by Year
in descending order

118	1,809	361413	302126
papers	citations	20 h-index	39 g-index

120	120	120	1638
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Substantial Improvement of Color-Rendering Properties of Conventional White LEDs Using Remote-Type Red Quantum-Dot Caps. Nanomaterials, 2022, 12, 1097.	4.1	2
2	Study of the dielectric response and polarization in PbCo_{1/3}Ta_{2/3}O₃ single crystals. Ferroelectrics, 2021, 575, 167-172.	0.6	0
3	Non-relaxor behaviour of low-frequency vibration spectra of relaxor ferroelectric PbCo1/3Nb2/3O3: evidences from Brillouin and Raman scattering measurements. Journal of Physics Condensed Matter, 2021, 33, 025402.	1.8	1
4	Study of the influence of Eu doping on dielectric response and specific heat of relaxor ferroelectric Na_{1/2}Bi_{1/2}TiO₃. Ferroelectrics, 2020, 567, 142-149.	0.6	1
5	Mandelstamâ€“Brillouin Light Scattering in Bovine Serum Albumin Solutions with Different Concentrations in the Vicinity of Thermal Denaturation. Technical Physics, 2020, 65, 1546-1550.	0.7	1
6	Elastic Properties of Guanidine Hydrochloride Solutions with Various Concentrations in the Gigahertz Frequency Range. Technical Physics, 2020, 65, 1484-1490.	0.7	0
7	Separation of Phases and Charge States in Relaxor Ferroelectric PbCo1/3Nb2/3O3. Journal of Experimental and Theoretical Physics, 2020, 130, 439-445.	0.9	5
8	Temperature behavior of long-wave acoustic phonons in relaxor ferroelectric Na1/2Bi1/2TiO3. Journal of Applied Physics, 2019, 126, 174102.	2.5	2
9	Investigation of dielectric hysteresis loops and polarization in relaxor ferroelectric PbCo1/3Nb2/3O3. Ferroelectrics, 2019, 538, 153-157.	0.6	4
10	Dielectric Investigations and Birefringence of PbNi_{1/3}Nb_{2/3}O₃ Single Crystals. Journal of Physics: Conference Series, 2019, 1400, 077003.	0.4	1
11	Phase transformations of bovine serum albumin: Evidences from Rayleighâ€Brillouin light scattering. Journal of Raman Spectroscopy, 2019, 50, 537-547.	2.5	8
12	Long-wave optical phonons in PbNi1/3Nb2/3O3 crystals. Ferroelectrics, 2018, 532, 50-56.	0.6	2
13	Study of the anisotropy of the dielectric response of Na1/2Bi1/2TiO3 relaxor ferroelectric. JETP Letters, 2017, 105, 189-194.	1.4	3
14	The crystal structure of loparite: a new acentric variety. Mineralogy and Petrology, 2017, 111, 827-832.	1.1	2
15	Anomalous behavior of the dielectric response of quantum paraelectric CaTiO3 with iron impurities. JETP Letters, 2015, 102, 530-535.	1.4	3
16	Multicomponent Quasi-Elastic Light Scattering in Na1/2Bi1/2TiO3 as Studied by Broadband Brillouin Scattering. JETP Letters, 2015, 102, 789-795.	1.4	2
17	Phase transition of chemically doped uniaxial relaxor ferroelectric. Journal of Physics Condensed Matter, 2015, 27, 435901.	1.8	7
18	Structural phase transitions in loparite€(Ce): evidences from Raman light scattering. Journal of Raman Spectroscopy, 2015, 46, 161-166.	2.5	4

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19	Ferroelectric Phase Transition and Relaxor-Like Behavior of Loparite-(Ce). Ferroelectrics, 2014, 469, 130-137.	0.6	4
20	Study of low-frequency dynamics of short peptides by Brillouin light scattering and Monte-Carlo global energy minimization. Journal of Physics: Conference Series, 2014, 572, 012015.	0.4	2
21	Magnetic short- and long-range order in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Pb</mml:mi><mml:msub><mml:mi>Fe</mml:mi><mml:mrow><mml:mn mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review B, 2014, 89, .	3.2	10
22	Low-frequency dynamics of DNA in Brillouin light scattering spectra. JETP Letters, 2014, 98, 735-741.	1.4	3
23	Loparite-(Ce), a natural ferroelectric with the perovskite-type structure. Applied Physics Letters, 2014, 105, .	3.3	3
24	Does a Dry Protein Undergo a Glass Transition?. Journal of Physical Chemistry B, 2014, 118, 2796-2802.	2.6	9
25	Phase transition of the uniaxial disordered ferroelectric Sr_{0.61}Ba_{0.39}Nb₂O₆. Journal of Physics Condensed Matter, 2014, 26, 185901.	1.8	11
26	Microscopic coexistence of antiferromagnetic and spin-glass states. Physical Review B, 2013, 87, .	3.2	50
27	Publisher's Note: Microscopic coexistence of antiferromagnetic and spin-glass states [Phys. Rev. B87, 220403(R) (2013)]. Physical Review B, 2013, 87, .	3.2	0
28	The structure and low-energy phonons of the nonferroelectric mixed perovskite: BaMg_{1/3}Ta_{2/3}O₃. Journal of Physics Condensed Matter, 2012, 24, 455401.	1.8	1
29	Weak-field diffuse scattering and the ground state of BaMg<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>/</mml:mo><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:math>Ta<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn><mml:mo>/</mml:mo><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display. Physical Review B, 2012, 86, .	3.2	4
30	Study of phase transition in tetragonal lysozyme crystals by AC-nanocalorimetry. Thermochimica Acta, 2012, 544, 33-37.	2.7	10
31	Multicomponent Rayleigh scattering from guanidine hydrochloride solutions. Journal of Raman Spectroscopy, 2012, 43, 1510-1514.	2.5	4
32	Specific features of the temperature behavior of lysozyme diffusivity in solutions with different protein concentrations. Journal of Molecular Liquids, 2012, 168, 7-11.	4.9	2
33	Relaxing with relaxors: a review of relaxor ferroelectrics. Advances in Physics, 2011, 60, 229-327.	14.4	380
34	Anomalous behavior of Brillouin light scattering at thermal denaturation of lysozyme. JETP Letters, 2011, 93, 409-414.	1.4	6
35	X-Ray and Dielectric Investigations of PbCo1/3Nb2/3O3Single Crystals. Ferroelectrics, 2011, 412, 15-22.	0.6	8
36	Diffuse scattering from the lead-based relaxor ferroelectric PbMg_{1/3}Ta_{2/3}O₃. Journal of Applied Crystallography, 2011, 44, 603-609.	4.5	20

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37	Study of diffuse scattering under hydrostatic pressure in PbMg_{1/3}Nb_{2/3}O₃. Journal of Physics: Conference Series, 2010, 251, 012011.	0.4	3
38	Magnetic order of multiferroic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>ErMn</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:m by resonant soft x-ray Bragg diffraction. Physical Review B, 2010, 81, .	3.2	11
39	Raman Scattering At Phase Separation In Semiconductor Manganiteâ€”Multiferroic Eu[sub 0.8]Ce[sub 0.2]Mn[sub 2]O[sub 5]. , 2010, , .		0
40	Brillouin Scattering in Lysozyme Solutions. , 2010, , .		1
41	Brillouin Light Scattering In Guanidine Hydrochloride Solution. , 2010, , .		0
42	Fractal properties of lysozyme: A neutron scattering study. Physical Review E, 2009, 79, 031913.	2.1	10
43	Phase transition in tetragonal hen egg-white lysozyme crystals. Applied Physics Letters, 2009, 95, .	3.3	20
44	Protein dynamics in Brillouin light scattering: Termal denaturation of hen egg white lysozyme. JETP Letters, 2009, 90, 80-84.	1.4	11
45	Divide line between relaxor, diffused ferroelectric, ferroelectric and dielectric. Solid State Communications, 2009, 149, 172-176.	1.9	72
46	Phase separation and charge carrier self-organization in semiconductor-multiferroicEu0.8Ce0.2Mn2O5. Physical Review B, 2009, 80, .	3.2	20
47	Spin-glass state and long-range magnetic order in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>Pb</mml:mtext><mml:mrow><mml:mo>(</mml:mo><mml:mrow><mml:msub><mml:mrow	3.2	60
48	Anomalous dispersion of the elastic constants at the phase transformation of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Pb</mml:mi><mml:msub><mml:mi mathvariant="normal">Mg</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^•</mml:mo><mml:mn>3</mml:mn></mml:mrow <mml:mrow mathvariant="normal">Nb</mml:mi><mml:mrow><mml:mn>2</mml:mn><mml:mo>â^•</mml:mo><mml:mn>3</mml:mn></mml:mrow	3.2	60
49	Manipulating the Magnetic Structure with Electric Fields in Multiferroic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>ErMn</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>5</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2008, 100, 027201.	7.8	37
50	Glasslike state in PbFe1/2Nb1/2O3 single crystal. Applied Physics Letters, 2008, 93, .	3.3	37
51	Atomic displacements in PbMg_{1/3}Nb_{2/3}O₃under high pressures. Journal of Physics Condensed Matter, 2008, 20, 104235.	1.8	11
52	Evolution of the neutron quasielastic scattering through the ferroelectric phase transition in 93%PbZn1â^•3Nb2â^•3O3â€“7%PbTiO3. Applied Physics Letters, 2008, 93, 032903.	3.3	11
53	Acoustic anisotropy in uniaxial tungsten bronze ferroelectric single crystals studied by Brillouin light scattering. Journal of Applied Physics, 2008, 104, 104105.	2.5	9
54	Neutron Powder Diffraction Study of the Phase Transition in BaTi2O5. Ferroelectrics, 2007, 346, 43-48.	0.6	13

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55	Neutron scattering studies of the mechanism of ferroelectricity in 68%PbMg1/3Nb2/3O3â€“32%PbTiO3. Journal of Physics Condensed Matter, 2007, 19, 016219.	1.8	16
56	Neutron and Light Scattering Studies of Nearly Stoichiometric Lithium Tantalate. Ferroelectrics, 2007, 354, 192-197.	0.6	1
57	Ferroelectric phase transition of stoichiometric lithium tantalate studied by Raman, Brillouin, and neutron scattering. Physical Review B, 2007, 76, .	3.2	35
58	Anomalous behavior of the acoustic phonon velocity and elastic constants of relaxor ferroelectric PbMg1/3Ta2/3O3. Journal of Physics Condensed Matter, 2007, 19, 496206.	1.8	7
59	Anomalous temperature behavior of hypersonic acoustic phonons in a lysozyme crystal. JETP Letters, 2007, 84, 551-555.	1.4	11
60	Study on the influence of isotope exchange of hydrogen with deuterium on the vibrational spectrum of lysozyme by inelastic neutron scattering. Crystallography Reports, 2007, 52, 838-841.	0.6	1
61	Acousto-ionic interaction in sound velocity behavior at a superionic phase transition in Me3H(AO4)2-type crystals. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 442, 224-228.	5.6	2
62	Acoustic properties of the disordered relaxor ferroelectric PbSc1/2Ta1/2O3. Physics of the Solid State, 2006, 48, 1102-1105.	0.6	8
63	Specific Features of Brillouin Spectra at a High-Temperature Phase Transition in Cs₅H₃(SO₄)₄xnH<sub>2</sub&g Crystals. Solid State Phenomena, 2006, 115, 279-284.	0.6	2
64	Anomalous pressure dependence of the atomic displacements in the relaxor ferroelectricPbMg1âˆ•3Ta2âˆ•3O3. Physical Review B, 2006, 73, .	3.2	9
65	Elastic Properties of Disordered Lead Scandotantalate Crystal. Ferroelectrics, 2005, 320, 75-78.	0.6	2
66	Vibrational density of states of hen egg white lysozyme. JETP Letters, 2005, 82, 30-33.	1.4	21
67	Deuterated hen egg-white lysozyme crystals: Optimization of the growth conditions and morphology. Crystallography Reports, 2005, 50, 789-795.	0.6	6
68	Orientational Field-Induced Effects in Brillouin Spectra of Lead Magnesium Niobate Crystals. Japanese Journal of Applied Physics, 2005, 44, 7156-7159.	1.5	3
69	Quasi-elastic scattering, random fields and phonon-coupling effects in PbMg1/3Nb2/3O3. Journal of Physics Condensed Matter, 2005, 17, 4343-4359.	1.8	46
70	Disorder and relaxation mode in the lattice dynamics of thePbMg1/3Nb2/3O3relaxor ferroelectric. Physical Review B, 2004, 69, .	3.2	41
71	Behavior of optical phonons near the diffuse phase transition in relaxor ferroelectricPbMg1âˆ•3Ta2âˆ•3O3. Physical Review B, 2004, 70, .	3.2	14
72	On the existence of the relaxation mode in relaxor ferroelectrics. Crystallography Reports, 2004, 49, 108-113.	0.6	16

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73	E-T phase diagram of lead magnesium niobate relaxor ferroelectric in the Mandelstam-Brillouin scattering spectra. JETP Letters, 2004, 79, 555-558.	1.4	3
74	Dynamics of cubic-tetragonal phase transition in KNbO3 perovskite. JETP Letters, 2004, 80, 355-358.	1.4	3
75	Neutron scattering study of PbMg $_{mathsf{1/3}}$Ta $_{mathsf{2/3}}$O$_{mathsf 3}$ and BaMg $_{mathsf{1/3}}$Ta $_{mathsf{2/3}}$O$_{mathsf 3}$ complex perovskites. European Physical Journal B, 2004, 40, 235-241.	1.5	16
76	Anomalous field-induced effects in the sound velocity in lead magnesium niobate probed by micro-Brillouin scattering. Applied Physics Letters, 2004, 84, 4798-4800.	3.3	20
77	Anomalous Behaviour of the Specific Heat of ABâ€²Bâ€³O3Complex Perovskites at Low Temperatures. Ferroelectrics, 2004, 302, 341-345.	0.6	1
78	Raman and Neutron Scattering Study of PbMg1/3Ta2/3O3Relaxor Ferroelectric. Ferroelectrics, 2004, 302, 347-349.	0.6	1
79	Brillouin Light Scattering in Complex Perovskites. Ferroelectrics, 2004, 303, 203-205.	0.6	0
80	Specific heat of cubic relaxor ferroelectrics. Journal of Physics Condensed Matter, 2004, 16, 8981-8990.	1.8	9
81	Anomalous behavior of the velocity of hypersonic acoustic phonons in (NH4)3 H(SO4)2 crystals. JETP Letters, 2003, 78, 84-87.	1.4	1
82	Vibrational Spectra of Complex Perovskites. Ferroelectrics, 2003, 285, 243-250.	0.6	4
83	Different dynamic behaviors of Pb(Mg1/3Ta2/3)O3 and Ba(Mg1/3Ta2/3)O3 single crystals studied by micro-Brillouin scattering and dielectric spectroscopy. Applied Physics Letters, 2003, 82, 4128-4130.	3.3	28
84	Dynamical Properties of the Partially Disordered Crystals of Cs 5 H 3 (SO 4) 4 Â· x H 2 O. Ferroelectrics, 2003, 285, 119-132.	0.6	4
85	Density of vibration states and ferroelectric properties of complex perovskites. Journal of Applied Physics, 2003, 94, 1130-1133.	2.5	13
86	Lattice Dynamics of PbMg 1/3 Nb 2/3 O 3 (PMN): Shell-Model Calculations. Ferroelectrics, 2003, 282, 21-27.	0.6	6
87	Phonons in PbMg 1/3 Nb 2/3 O 3 Measured by Inelastic Neutron Scattering. Ferroelectrics, 2003, 282, 9-19.	0.6	10
88	Neutron diffuse scattering from PbMg 1/3 Ta 2/3 O 3 relaxor ferroelectric. Europhysics Letters, 2003, 63, 303-309.	2.0	18
89	Dielectric Anomalies of (K 0.5 Na 0.5) 0.2 (Sr 0.75 Ba 0.25) 0.9 Nb 2 O 6 Single Crystals with the Tungsten Bronze Structure. Ferroelectrics, 2003, 286, 61-71.	0.6	6
90	Low-temperature transverse dielectric and pyroelectric anomalies of uniaxial tungsten bronze crystals. Journal of Applied Physics, 2002, 92, 1536-1543.	2.5	51

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91	Central peak in the vibrational spectrum of the relaxor ferroelectric lead scandotantalate. Solid State Communications, 2002, 122, 129-133.	1.9	11
92	A central peak in light scattering from the relaxor-type ferroelectric Na1/2Bi1/2TiO3. Physica B: Condensed Matter, 2001, 293, 382-389.	2.7	36
93	Non-phonon contribution to the specific heat of PbMg1/3Nb2/3O3 at low temperatures. Physica B: Condensed Matter, 2001, 305, 90-95.	2.7	9
94	Fracton contribution to the specific heat of the PbMg1/3Nb2/3O8 relaxor ferroelectric at low temperatures. Crystallography Reports, 2001, 46, 1025-1029.	0.6	8
95	Acoustic anomalies in quasi-2D Cs5H3(SO4)4Ã—xH2O crystal. Journal of Physics Condensed Matter, 2001, 13, 3677-3688.	1.8	3
96	Dynamical Properties of Relaxor Ferroelectric Lead Scandium Tantalate Probed by Micro-Brillouin Scattering. Japanese Journal of Applied Physics, 2001, 40, 5823-5827.	1.5	9
97	Evidence for a Quasi-Two-Dimensional Proton Glass State inCs5H3(SO4)4Ì‡xH2OCrystals. Physical Review Letters, 2001, 86, 2838-2841.	7.8	5
98	Linear and nonlinear dielectric susceptibilities of disordered lead scandium tantalate. Journal of Physics Condensed Matter, 2001, 13, 5449-5462.	1.8	12
99	93NbNMR of the random-field-dominated relaxor transition in pure and doped SBN. Physical Review B, 2001, 64, .	3.2	22
100	Light scattering from (K[sub 0.5]Na[sub 0.5])[sub 0.2](Sr[sub 0.75]Ba[sub 0.25])[sub 0.9]Nb[sub 2]O[sub 6] with the tungsten bronze structure: An analogy with relaxor ferroelectrics. Journal of Applied Physics, 2001, 89, 1671.	2.5	18
101	Temperature dependence of the generalized vibrational density of states of sodium bismuth titanate in the ferroelectric phase. Solid State Communications, 2000, 116, 41-45.	1.9	7
102	Brillouin light scattering anomalies and new phase transition in Cs5H3(SO4)4 crystals. Solid State Communications, 2000, 113, 639-642.	1.9	9
103	Neutron scattering study of the Cs5H3(SO4)4Â·0.5H2O crystal and its deuterated analog. Physica B: Condensed Matter, 2000, 276-278, 483-484.	2.7	5
104	Effect of a disorder degree on the vibrational spectrum of relaxor ferroelectric PbSc1/2Ta1/2O3. Physica B: Condensed Matter, 2000, 276-278, 485-486.	2.7	2
105	Isotopic effect in Brillouin light-scattering spectra of a Cs5H3(SO4)4 Â· xH2O crystal. Physics of the Solid State, 2000, 42, 2265-2272.	0.6	0
106	On the effect of ordering on vibrational spectrum of relaxor ferroelectric PbSc1/2Ta1/2O3 in paraphase. Crystallography Reports, 2000, 45, 466-468.	0.6	1
107	45ScNMR study of the relaxor transition in a lead scandotantalate single crystal. Physical Review B, 2000, 61, 253-257.	3.2	16
108	Brillouin and raman spectra anomalies in knsbn with the tungsten bronze structure. Integrated Ferroelectrics, 2000, 28, 95-102.	0.7	0

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109	Anomalous behavior of the phonon spectrum of the relaxor ferroelectric PMN at low temperatures. Ferroelectrics, 1999, 226, 147-157.	0.6	3
110	Phonons and fractons in the vibration spectrum of the relaxor ferroelectric PbMg1/3Nb2/3O3. Physica B: Condensed Matter, 1999, 263-264, 286-289.	2.7	13
111	Isotope effect in Cs5H3(SO4)4Â·0.5H2O crystals. Solid State Ionics, 1999, 125, 119-123.	2.7	4
112	PbMg1/3Nb2/3O3as a model object for light scattering experiments. Ferroelectrics, 1999, 226, 191-215.	0.6	57
113	Central peak in light scattering from the relaxor ferroelectricPbMg1/3Nb2/3O3. Physical Review B, 1997, 56, 7962-7966.	3.2	86
114	Inelastic neutron scattering in Cs5D3(SO4)4 crystal. Physica B: Condensed Matter, 1997, 241-243, 484-486.	2.7	1
115	Dispersion of hypersonic velocity and damping at diffuse phase transition in PbMg_{1/3}Nb_{2/3}O₃. Ferroelectrics, 1992, 125, 493-498.	0.6	28
116	Brillouin scattering and dispersion of the sound velocity in Rb3H(SeO4)2. Ferroelectrics, 1991, 124, 409-414.	0.6	8
117	Acoustic anomalies at superionic-ferroelastic phase transition in Rb3H(SeO4)2. Ferroelectrics, 1990, 106, 237-242.	0.6	12
118	Anomaly of hypersound velocity in the vicinity of a â€œdiffuse phase transitionâ€•in PbMg_{1/3}Nb_{2/3}O₃and PbMg_{1/3}Ta_{2/3}O₃. Ferroelectrics, 1989, 90, 187-190.	0.6	29