

Sergey A Prosandeev

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Energetic Couplings in Ferroics. <i>Advanced Electronic Materials</i> , 2022, 8, 2100639.	5.1	3
2	Energy storage in lead-free Ba(Zr, Ti) $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:msub} \langle \text{mml:mi} \text{mathvariant="normal"} \rangle \text{O} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ relaxor ferroelectrics: Large densities and efficiencies and their origins. <i>Physical Review B</i> , 2022, 105, .	3.2	5
3	Hidden phases with neuromorphic responses and highly enhanced piezoelectricity in an antiferroelectric prototype. <i>Physical Review B</i> , 2022, 105, .	3.2	8
4	Electrical Energy Storage From First Principles. <i>Frontiers in Electronic Materials</i> , 2022, 2, .	3.1	3
5	Domain-wall-induced electromagnons in multiferroics. <i>Physical Review Materials</i> , 2022, 6, .	2.4	2
6	Dzyaloshinskiiâ€™Moriya-like interaction in ferroelectrics and antiferroelectrics. <i>Nature Materials</i> , 2021, 20, 341-345.	27.5	37
7	Ultrafast Neuromorphic Dynamics Using Hidden Phases in the Prototype of Relaxor Ferroelectrics. <i>Physical Review Letters</i> , 2021, 126, 027602.	7.8	27
8	Electrocaloric effects in multiferroics. <i>Physical Review B</i> , 2021, 103, .	3.2	4
9	Properties of (001) $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:msub} \langle \text{mml:mi} \text{mathvariant="normal"} \rangle \text{NaNbO} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ films under epitaxial strain: A first-principles study. <i>Physical Review B</i> , 2021, 103, .	3.2	14
10	Inverse transition of labyrinthine domain patterns in ferroelectric thin films. <i>Nature</i> , 2020, 577, 47-51.	27.8	71
11	Evidence for Goldstone-like and Higgs-like structural modes in the model $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{Pb} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \langle \text{mml:mi} \rangle \text{Mg} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \langle \text{mml:mi} \rangle \text{O} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ relaxor ferroelectri. <i>Physical Review B</i> , 2020, 102, .	3.2	5
12	Strain control of layer-resolved negative capacitance in superlattices. <i>Npj Computational Materials</i> , 2020, 6, .	8.7	4
13	Enhanced transient negative capacitance during inhomogeneous ferroelectric switching. <i>Physical Review B</i> , 2020, 101, .	3.2	3
14	Strain-induced resonances in the dynamical quadratic magnetoelectric response of multiferroics. <i>Npj Computational Materials</i> , 2020, 6, .	8.7	4
15	Universality and origin of ultrashort intrinsic negative dielectric permittivity. <i>Physical Review B</i> , 2020, 101, .	3.2	5
16	Prediction of a novel topological multidefect ground state. <i>Physical Review B</i> , 2019, 100, .	3.2	8
17	Novel Dynamical Magnetoelectric Effects in Multiferroic $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{BiFeO} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ Physical Review Letters, 2019, 122, 097601.	7.8	11
18	Conformational Domain Wall Switch. <i>Advanced Functional Materials</i> , 2019, 29, 1807523.	14.9	47

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19	Temperature dependence of polar modes in hybrid improper ferroelectrics. Physical Review B, 2019, 100, .	3.2	5
20	Giant electrocaloric response in the prototypical $\text{Pb}(\text{Mg,Nb})_{1-x}\text{O}_{3-x}$ relaxor ferroelectric from atomistic simulations. Physical Review B, 2018, 97, .	3.2	24
21	Displacement Current in Domain Walls of Bismuth Ferrite. Npj Computational Materials, 2018, 4, .	8.7	14
22	Giant resistive switching in mixed phase BiFeO_3 via phase population control. Nanoscale, 2018, 10, 17629-17637.	5.6	18
23	Quantum-fluctuation-stabilized orthorhombic ferroelectric ground state in lead-free piezoelectric $\text{Ba}(\text{Zr,Ti})\text{O}_3$. Physical Review B, 2018, 98, .	3.2	10
24	Polarization switching in the $\text{PbMg}_{1/3}\text{Nb}_{2/3}\text{O}_3$ relaxor ferroelectric: An atomistic effective Hamiltonian study. Physical Review B, 2018, 98, .	3.2	10
25	Dynamics of antipolar distortions. Npj Computational Materials, 2017, 3, .	8.7	6
26	Electrocaloric effects in the lead-free $\text{Ba}(\text{Zr,Ti})\text{O}_3$ relaxor ferroelectric from atomistic simulations. Physical Review B, 2017, 96, .	3.2	24
27	<i>ab initio</i> approach to photostriction in classical ferroelectric materials. Physical Review B, 2017, 96, .	3.2	28
28	Microscopic origins of the large piezoelectricity of leadfree $(\text{Ba,Ca})(\text{Zr,Ti})\text{O}_3$. Nature Communications, 2017, 8, 15944.	12.8	69
29	Special quasirandom structures for perovskite solid solutions. Journal of Physics Condensed Matter, 2016, 28, 475901.	1.8	15
30	Atomistic mechanism leading to complex antiferroelectric and incommensurate perovskites. Physical Review B, 2016, 94, .	3.2	21
31	Effects of atomic short-range order on properties of the $\text{PbMg}_{1/3}\text{Nb}_{2/3}\text{O}_3$ relaxor ferroelectric. Physical Review B, 2016, 94, .	3.2	19
32	Room-temperature paramagnetoelectric effect in magnetoelectric multiferroics $\text{Pb}(\text{Fe}_{1/2}\text{Nb}_{1/2})\text{O}_3$ and its solid solution with PbTiO_3 . Journal of Materials Science, 2016, 51, 5330-5342.	3.7	57
33	Influence of epitaxial strain on clustering of iron in $\text{Pb}(\text{Fe}_{1/2}\text{Nb}_{1/2})\text{O}_3$. Physical Review B, 2015, 92, .	3.2	19
34	Structural transitions in $\text{Pb}(\text{In}_{1-x}\text{Nb}_{1-x})\text{O}_3$ under pressure. Journal of Advanced Dielectrics, 2015, 05, 1550033.	2.4	2
35	First-principles-based effective Hamiltonian simulations of bulks and films made of lead-free $\text{Ba}(\text{Zr,Ti})\text{O}_3$ relaxor ferroelectrics. Journal of Physics Condensed Matter, 2015, 27, 223202.	1.8	18
36	Finite-temperature properties of the relaxor $\text{PbMg}_{1/3}\text{Nb}_{2/3}\text{O}_3$ from atomistic simulations. Physical Review B, 2015, 91, .	3.2	49

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37	Dynamical magnetoelectric effects associated with ferroelectric domain walls. <i>Physical Review B</i> , 2015, 91, .	3.2	7
38	Superspin glass phase and hierarchy of interactions in multiferroic $\text{PbFe}_{1/2}\text{Sb}_{1/2}\text{O}_3$: an analog of ferroelectric relaxors?. <i>New Journal of Physics</i> , 2014, 16, 113041.	2.9	45
39	First-principles study of the multimode antiferroelectric transition in PbZrO_3 . <i>Physical Review B</i> , 2014, 90, .	3.2	73
40	The stabilization of a single domain in free-standing ferroelectric nanocrystals. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 122202.	1.8	4
41	Anomalous properties of antiferroelectric PbZrO_3 under hydrostatic pressure. <i>Physical Review B</i> , 2014, 89, .	3.2	18
42	Complex antipolar PbZrO_3 with $\sqrt{2} \times \sqrt{2} \times \sqrt{2}$ incommensurate modulation. <i>Physical Review B</i> , 2014, 90, .	3.2	18
43	Control of ferroelectricity and magnetism in multi-ferroic BiFeO_3 by epitaxial strain. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2014, 372, 20120438.	3.4	32
44	Full field electron spectromicroscopy applied to ferroelectric materials. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	43
45	Magnetoelectric signature in the magnetic properties of antiferromagnetic multiferroics: Atomistic simulations and phenomenology. <i>Physical Review B</i> , 2013, 88, .	3.2	5
46	Properties of Epitaxial Films Made of Relaxor Ferroelectrics. <i>Physical Review Letters</i> , 2013, 111, 247602.	7.8	41
47	Condensation of the atomic relaxation vibrations in lead-magnesium-niobate at $T=T^*$. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	19
48	Effect of Ba and Ti doping on magnetic properties of multiferroic $\text{Pb}(\text{Fe}_{1-x}\text{Ti}_x)\text{O}_3$. <i>Journal of Applied Physics</i> , 2013, 114, 104105.	3.2	55
49	Novel Nanoscale Twinned Phases in Perovskite Oxides. <i>Advanced Functional Materials</i> , 2013, 23, 234-240.	14.9	101
50	Natural optical activity and its control by electric field in electrotoroidic systems. <i>Physical Review B</i> , 2013, 87, .	3.2	42
51	Field-Induced Percolation of Polar Nanoregions in Relaxor Ferroelectrics. <i>Physical Review Letters</i> , 2013, 110, 207601.	7.8	95
52	Broken Local Symmetry in Paraelectric BaTiO_3 Proved by Second Harmonic Generation. <i>Physical Review Letters</i> , 2012, 108, 247601.	7.8	107
53	Ab initio study of the factors affecting the ground state of rare-earth nickelates. <i>Physical Review B</i> , 2012, 85, .	3.2	18
54	Thickness-Dependent Polarization of Strained BiFeO_3 Films with Constant Tetragonality. <i>Physical Review Letters</i> , 2012, 109, 267601.	7.8	58

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55	Temperature Properties of BaZrTiO_3 Relaxors from First Principles. Physical Review Letters, 2012, 108, 257601.	7.8	157
56	Strain dependence of polarization and piezoelectric response in epitaxial BiFeO_3 thin films. Journal of Physics Condensed Matter, 2012, 24, 162202.	1.8	66
57	Dielectric and Mossbauer studies of ferroelectric and magnetic phase transitions in a-site and b-site substituted multiferroic $\text{PbFe}_{0.5}\text{Nb}_{0.5}\text{O}_3$. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 1872-1878.	3.0	48
58	Bias Field Effect on the Dielectric and Pyroelectric Response of Single Crystal of Uniaxial Relaxor $\text{Sr}_{0.75}\text{Ba}_{0.25}\text{Nb}_2\text{O}_6$. Ferroelectrics, 2012, 440, 59-66.	0.6	22
59	Magnetic properties of PbFeO_3 films from first principles. Physical Review B, 2011, 84, .	3.2	69
60	Properties of epitaxial (110) BaTiO_3 films from first principles. Physical Review B, 2011, 84, .	3.2	29
61	BiFeO_3 Films under Tensile Epitaxial Strain from First Principles. Physical Review Letters, 2011, 106, 237601.	7.8	56
62	Magnetolectricity in BiFeO_3 films: First-principles-based computations and phenomenology. Physical Review B, 2011, 83, .	3.2	41
63	The effect of A-site and B-site ion substitutions on the temperatures of ferroelectric and magnetic phase transitions in multiferroic $\text{PbFe}_{0.5}\text{Nb}_{0.5}\text{O}_3$. Phase Transitions in Epitaxial BiFeO_3 Thin Films. Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4		0
64	BiFeO_3 Films from First Principles. Physical Review Letters, 2011, 107, 117602.	7.8	37
65	Peculiarities of temperature and field dependence of tunability in $\text{Ba}_{0.6}\text{Sr}_{0.4}\text{TiO}_3$ ceramics with differing grain sizes. Journal of Alloys and Compounds, 2011, 509, 6113-6116.	5.5	22
66	Isotropic Hall effect and freeze-in of carriers in the InGaAs self-assembled quantum wires. Journal of Applied Physics, 2011, 110, .	2.5	14
67	Sub-monolayer nucleation and growth of complex oxides at high supersaturation and rapid flux modulation. Journal of Applied Physics, 2011, 109, 114303.	2.5	23
68	Coexistence of ferroelectric triclinic phases in highly strained BiFeO_3 films. Physical Review B, 2011, 84, .	3.2	99
69	Quantum-mechanical calculations and analysis of vibrational modes in lead magnoniobate. Physics of the Solid State, 2011, 53, 147-150.	0.6	3
70	Shape-induced phase transition of domain patterns in ferroelectric platelets. Physical Review B, 2011, 84, .	3.2	44
71	Local domain engineering in relaxor $\text{0.77PbMg}_{1/3}\text{Nb}_{2/3}\text{O}_3\text{-0.23PbSc}_{1/2}\text{Nb}_{1/2}\text{O}_3$ single crystals. Journal of Applied Physics, 2011, 110, 052002.	2.5	12
72	Kittel Law in BiFeO_3 Ultrathin Films: A First-Principles-Based Study. Physical Review Letters, 2010, 105, 147603.	7.8	26

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73	Effect of polar discontinuity on the growth of LaNiO ₃ /LaAlO ₃ superlattices. Applied Physics Letters, 2010, 96, .	3.3	37
74	Chiral Patterns of Tilting of Oxygen Octahedra in Zero-Dimensional Ferroelectrics and Multiferroics: A First Principle-Based Study. Physical Review Letters, 2010, 104, 207603.	7.8	21
75	Studies of Ferroelectric and Magnetic Phase Transitions in Pb _{1-x} A _x Fe _{1/2} Nb _{1/2} O ₃ (A-Ca, Ba) Solid Solutions. Ferroelectrics, 2010, 398, 16-25.	0.6	52
76	Electric Field Induced by Dynamical Change of Dipolar Configurations in Ferromagnets. Physical Review Letters, 2009, 102, 097205.	7.8	4
77	Discovery of Incipient Ferrotoroidics from Atomistic Simulations. Physical Review Letters, 2009, 102, 257601.	7.8	11
78	Hypertoroidal moment in complex dipolar structures. Journal of Materials Science, 2009, 44, 5235-5248.	3.7	24
79	Nature of thermally stimulated acoustic emission from PbMg _{1/3} Nb _{2/3} O ₃ –PbTiO ₃ solid solutions. Applied Physics Letters, 2009, 94, 252904.	3.3	51
80	Experimental evidence of the crucial role of nonmagnetic Pb cations in the enhancement of the Néel temperature in perovskite $\text{Pb}_{1-x}\text{A}_x\text{Fe}_{1/2}\text{Nb}_{1/2}\text{O}_3$ solid solutions. Physical Review B, 2009, 80, .	3.2	60
81	Controlling Double Vortex States in Low-Dimensional Dipolar Systems. Physical Review Letters, 2008, 101, 097203.	7.8	21
82	Atomic control and characterization of surface defect states of TiO ₂ terminated SrTiO ₃ single crystals. Applied Physics Letters, 2008, 93, .	3.3	82
83	Electrocaloric effect in bulk and low-dimensional ferroelectrics from first principles. Physical Review B, 2008, 78, .	3.2	76
84	Order parameter in complex dipolar structures: Microscopic modeling. Physical Review B, 2008, 77, .	3.2	12
85	Control of Vortices by Homogeneous Fields in Asymmetric Ferroelectric and Ferromagnetic Rings. Physical Review Letters, 2008, 100, 047201.	7.8	76
86	Original properties of dipole vortices in zero-dimensional ferroelectrics. Journal of Physics Condensed Matter, 2008, 20, 193201.	1.8	89
87	Critical nature of the giant field-induced pyroelectric response in Pb(Mg _{1/3} Nb _{2/3})O ₃ –PbTiO ₃ single crystals. Applied Physics Letters, 2008, 93, 042903.	3.3	47
88	Quantum paraelectricity coexisting with a ferroelectric metastable state in single crystals of NaNbO ₃ : a new quantum effect. Journal of Physics Condensed Matter, 2008, 20, 232202.	1.8	24
89	Characteristics and signatures of dipole vortices in ferroelectric nanodots: First-principles-based simulations and analytical expressions. Physical Review B, 2007, 75, .	3.2	73
90	Asymmetric screening of the depolarizing field in a ferroelectric thin film. Physical Review B, 2007, 75, .	3.2	41

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91	Quasivertical line in the phase diagram of single crystals of $\text{PbMg}_{1/3}\text{Nb}_2/3\text{O}_3$. <i>Physical Review B</i> , 2007, 76, .	3.2	60
92	Influence of crystallographic steps on properties of ferroelectric ultrathin films: An <i>ab initio</i> study. <i>Applied Physics Letters</i> , 2007, 91, .	3.3	10
93	Theory of the dielectric nonlinearity in ferroelectric relaxors in the vicinity of the Vogel-Fulcher temperature under dc bias fields. <i>Applied Physics Letters</i> , 2007, 91, 242904.	3.3	3
94	Tensors in ferroelectric nanoparticles: First-principles-based simulations. <i>Physical Review B</i> , 2007, 76, .	3.2	16
95	DIFFUSE FIRST ORDER PHASE TRANSITIONS. <i>Integrated Ferroelectrics</i> , 2006, 78, 45-51.	0.7	0
96	Controlling Toroidal Moment by Means of an Inhomogeneous Static Field: An <i>Ab Initio</i> Study. <i>Physical Review Letters</i> , 2006, 96, 237601.	7.8	106
97	Properties of Ferroelectric Nanodots Embedded in a Polarizable Medium: Atomistic Simulations. <i>Physical Review Letters</i> , 2006, 97, 167601.	7.8	34
98	Universal Domain Wall Dynamics in Ferroelectrics and Relaxors. <i>Ferroelectrics</i> , 2006, 334, 3-10.	0.6	26
99	E-T Phase Diagrams for $\text{PbMg}_{1/3}\text{Nb}_2/3\text{O}_3$ - PbTiO_3 Single Crystals. <i>Ferroelectrics</i> , 2006, 339, 137-146.	0.6	3
100	Comparative Analysis of the Phonon Modes in AgNbO_3 and NaNbO_3 . <i>Physics of the Solid State</i> , 2005, 47, 2130.	0.6	10
101	Low temperature structural transformations of dilute $\text{KTa}_{1-x}\text{Nb}_x\text{O}_3$: $x = 0.018$, quantum superparaelectric or reentrant glass scenario?. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2005, 2, 145-148.	0.8	6
102	Nontrivial dependence of dielectric stiffness on bias field in relaxors and dipole glasses. <i>Journal of Applied Physics</i> , 2005, 98, 014103.	2.5	11
103	First-order Raman spectra of $\text{AB}_2\text{B}_2\text{O}_3$ double perovskites. <i>Physical Review B</i> , 2005, 71, .	3.2	95
104	High-pressure Raman scattering and x-ray diffraction of the relaxor ferroelectric $0.96\text{Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3 \sim 0.04\text{PbTiO}_3$. <i>Physical Review B</i> , 2005, 71, .	3.2	41
105	Lead-Free Relaxor Ferroelectric Ceramics in NaNbO_3 - $\text{Sr}_0.5\text{NbO}_3$ - LiNbO_3 Solid Solution System. <i>Ferroelectrics</i> , 2005, 317, 49-51.	0.6	1
106	Bias-field effect on the temperature anomalies of dielectric permittivity in $\text{PbMg}_{1/3}\text{Nb}_2/3\text{O}_3 \sim \text{PbTiO}_3$ single crystals. <i>Physical Review B</i> , 2005, 72, .	3.2	76
107	Linear Versus Nonlinear Field Dependence of Dielectric Stiffness in Relaxors. <i>Ferroelectrics</i> , 2005, 317, 53-55.	0.6	4
108	Effects of 1:1 B-cation order on Raman scattering in complex perovskites $\text{AB}_2\text{B}_2\text{O}_3$. <i>Applied Physics Letters</i> , 2005, 86, 011919.	3.3	19

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109	Diffuse first-order phase transition in NaNbO ₃ :Gd. Journal of Physics Condensed Matter, 2004, 16, L221-L226.	1.8	15
110	Diffuse phase transition in NaNbO ₃ :Gd single crystals. Journal of Applied Physics, 2004, 95, 3994-3999.	2.5	14
111	Comment on "Conduction states in oxide perovskites: Three manifestations of Ti ³⁺ Jahn-Teller polarons in barium titanate". Physical Review B, 2004, 70, .	3.2	7
112	X-Ray, Optical and Dielectric Studies of Diffused Phase Transitions in NaNbO ₃ -Based Solid Solution Crystals. Ferroelectrics, 2004, 298, 261-265.	0.6	5
113	Low-temperature phase transformations in weakly doped quantum paraelectrics: novel features and quantum reentrant dipolar glass state in KTa _{0.982} Nb _{0.018} O ₃ . Journal of Physics and Chemistry of Solids, 2004, 65, 1317-1327.	4.0	8
114	Dielectric Susceptibility of Strontium Titanate Doped with Ca. Ferroelectrics, 2004, 299, 83-87.	0.6	2
115	Optical Spectra, Properties and First Principles Computations of Ba(Fe, Nb)O ₃ and Pb(Fe, Nb)O ₃ . Ferroelectrics, 2004, 302, 279-283.	0.6	10
116	Disorder due to a Strong Correlation of Ionic Displacements. Ferroelectrics, 2004, 299, 185-189.	0.6	1
117	Dielectric Permittivity Study of KTaO ₃ Weakly Doped by ⁶ Li Isotope. Ferroelectrics, 2004, 302, 203-206.	0.6	1
118	Lattice dynamics in PbMg _{1/3} Nb _{2/3} O ₃ . Physical Review B, 2004, 70, .	3.2	102
119	Comparative Study of Cation Ordering Effects in Single Crystals of 1:1 and 1:2 Complex Perovskites Solid Solutions. Ferroelectrics, 2004, 298, 267-274.	0.6	13
120	Orientational and fluctuation polarizations of Langevin dipoles in a random electric field. Physics of the Solid State, 2003, 45, 1774-1779.	0.6	14
121	High dielectric permittivity in AFe _{1/2} B _{1/2} O ₃ nonferroelectric perovskite ceramics (A=Ba, Sr, Ca; B=Nb, Ta, Sb). Journal of Applied Physics, 2003, 94, 074101.	2.5	376
122	Random-Site Cation Ordering and Dielectric Properties of PbMg _{1/3} Nb _{2/3} O ₃ -PbSc _{1/2} Nb _{1/2} O ₃ . Integrated Ferroelectrics, 2003, 53, 475-487.	0.7	3
123	Reentrant Dipole Glass-Like Ordering in Weakly Concentrated KTaO ₃ :Nb. Radiation Effects and Defects in Solids, 2003, 158, 275-280.	1.2	1
124	The Order Parameter in Relaxors. Integrated Ferroelectrics, 2003, 58, 1359-1370.	0.7	1
125	High-k Ceramic Materials Based on Nonferroelectric AFe _{1/2} B _{1/2} O ₃ (A=Ba, Sr, Ca; B=Nb, Ta, Sb) Perovskites. Integrated Ferroelectrics, 2003, 55, 757-768.	0.7	7
126	Polar cluster formation due to point charge centres in KTaO ₃ :Li. Journal of Physics Condensed Matter, 2002, 14, 4407-4414.	1.8	7

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127	Properties of $K_{1-x}Li_xTaO_3$ Solid Solutions; First-Principles Computations and Comparison with Experiments. Japanese Journal of Applied Physics, 2002, 41, 7179-7180.	1.5	1
128	Long-Range Displacive to Short-Range Order-Disorder Crossover in Weakly Concentrated $KTa_{1-y}Nb_yO_3$. Japanese Journal of Applied Physics, 2002, 41, 7176-7178.	1.5	2
129	On the average charge of the oxygen vacancy in perovskites necessary for kinetics calculations. Journal of Physics Condensed Matter, 2002, 14, L745-L748.	1.8	2
130	New, Lead Free Materials with a Diffuse Phase Transition: $NaNbO_3$ -Based Solid Solutions. Integrated Ferroelectrics, 2002, 47, 277-283.	0.7	2
131	The dielectric response of quantum paraelectrics containing dipole impurities. Journal of Experimental and Theoretical Physics, 2002, 94, 419-430.	0.9	10
132	A new, lead free, family of perovskites with a diffuse phase transition: $NaNbO_3$ -based solid solutions. Journal of Physics and Chemistry of Solids, 2002, 63, 1939-1950.	4.0	96
133	Relaxor properties of dilute and concentrated polar solid solutions. Ferroelectrics, 2001, 261, 43-52.	0.6	5
134	SHG properties of pure and doped incipient ferroelectrics $KTaO_3$ and $SrTiO_3$ under applied electric fields. Ferroelectrics, 2001, 264, 261-266.	0.6	2
135	Nanodomain theory of fe glasses (a six-well model). Integrated Ferroelectrics, 2001, 38, 153-160.	0.7	2
136	Nonlinear dielectric susceptibility of dipole impurities dissolved in the lattice of quantum paraelectrics. Physics of the Solid State, 2001, 43, 1948-1951.	0.6	4
137	Nature of low frequency dielectric permittivity behaviour in weakly and moderate concentrated $KTaO_3:Li$. Integrated Ferroelectrics, 2001, 37, 259-266.	0.7	0
138	Characteristics and the nature of the low-frequency dielectric response in moderately concentrated $KTaO_3:Li$. Journal of Physics Condensed Matter, 2001, 13, 9749-9760.	1.8	17
139	Coupling of Li^+ relaxators to the soft mode in $KTaO_3:Li$. Journal of Physics Condensed Matter, 2001, 13, 719-725.	1.8	10
140	Verification of the Thomas theoretical framework for A-substituted $Pb_{1-x}Bn_xNbM_3O_3$ relaxor ferroelectrics. Journal of Physics Condensed Matter, 2001, 13, L299-L303.	1.8	2
141	A generalized arrhenius law in dilute $KTaO_3Li$ versus the Vogel-Fulcher approach. Integrated Ferroelectrics, 2001, 37, 267-274.	0.7	0
142	Mid-gap states in the forbidden gap of silica. Journal of Non-Crystalline Solids, 1999, 245, 161-168.	3.1	0
143	Study of intrinsic point defects in oxides of the perovskite family: II. Experiment. Journal of Physics Condensed Matter, 1998, 10, 8015-8032.	1.8	45
144	A deviation from the Coulomb law for interacting microscopic impurities in a perovskite-like lattice. Journal of Physics Condensed Matter, 1996, 8, 505-516.	1.8	3

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145	Study of intrinsic point defects in oxides of the perovskite family: I. Theory. Journal of Physics Condensed Matter, 1996, 8, 6705-6717.	1.8	42
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