

Sergey A Prosandeev

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	High dielectric permittivity in AFe ₁ /2B ₁ /2O ₃ nonferroelectric perovskite ceramics (A=Ba, Sr, Ca; B=Nb,) Tj ETQq1 1.0,784314,rgBT /Over	2.5	376
2	Finite-Temperature Properties of BaZrO_3 Relaxors from First Principles. Physical Review Letters, 2012, 108, 257601.	7.8	157
3	Broken Local Symmetry in Paraelectric BaTiO_3 Proved by Second Harmonic Generation. Physical Review Letters, 2012, 108, 247601.	7.8	107
4	Controlling Toroidal Moment by Means of an Inhomogeneous Static Field: An Ab Initio Study. Physical Review Letters, 2006, 96, 237601.	7.8	106
5	Lattice dynamics in $\text{PbMg}_{1-x}\text{Nb}_2\text{O}_3$. Physical Review B, 2004, 70, .	3.2	102
6	Novel Nanoscale Twinned Phases in Perovskite Oxides. Advanced Functional Materials, 2013, 23, 234-240.	14.9	101
7	Coexistence of ferroelectric triclinic phases in highly strained BiFeO_3 films. Physical Review B, 2011, 84, .	3.2	99
8	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
9	First-order Raman spectra of $\text{AB}_1\text{A}^2\text{B}_1\text{A}^3\text{O}_3$ double perovskites. Physical Review B, 2005, 71, .	3.2	95
10	Field-Induced Percolation of Polar Nanoregions in Relaxor Ferroelectrics. Physical Review Letters, 2013, 110, 207601.	7.8	95
11	Original properties of dipole vortices in zero-dimensional ferroelectrics. Journal of Physics Condensed Matter, 2008, 20, 193201.	1.8	89
12	Atomic control and characterization of surface defect states of TiO_2 terminated SrTiO_3 single crystals. Applied Physics Letters, 2008, 93, .	3.3	82
13	Bias-field effect on the temperature anomalies of dielectric permittivity in $\text{PbMg}_{1-x}\text{Nb}_2\text{O}_3 \sim \text{PbTiO}_3$ single crystals. Physical Review B, 2005, 72, .	3.2	76
14	Electrocaloric effect in bulk and low-dimensional ferroelectrics from first principles. Physical Review B, 2008, 78, .	3.2	76
15	Control of Vortices by Homogeneous Fields in Asymmetric Ferroelectric and Ferromagnetic Rings. Physical Review Letters, 2008, 100, 047201.	7.8	76
16	Characteristics and signatures of dipole vortices in ferroelectric nanodots: First-principles-based simulations and analytical expressions. Physical Review B, 2007, 75, .	3.2	73
17	First-principles study of the multimode antiferroelectric transition in PbZrO_3 . Physical Review B, 2014, 90, .	3.2	73
18	Inverse transition of labyrinthine domain patterns in ferroelectric thin films. Nature, 2020, 577, 47-51.	27.8	71

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19	Experimental evidence of the crucial role of nonmagnetic Pb cations in the enhancement of the $N\tilde{A}\tilde{C}el$ temperature in perovskite $Pb_{1-x}Mg_xO_{3-\delta}$. Physical Review B, 2007, 76, .	3.2	69
20	Microscopic origins of the large piezoelectricity of leadfree (Ba,Ca)(Zr,Ti)O ₃ . Nature Communications, 2017, 8, 15944.	12.8	69
21	Strain dependence of polarization and piezoelectric response in epitaxial BiFeO ₃ thin films. Journal of Physics Condensed Matter, 2012, 24, 162202.	1.8	66
22	Quasivertical line in the phase diagram of single crystals of $Pb_{1-x}Mg_xO_{3-\delta}$. Physical Review B, 2007, 76, .	3.2	60
23	Thickness-Dependent Polarization of Strained $Pb_{1-x}Bi_xFeO_{3-\delta}$ Films with Constant Tetragonality. Physical Review Letters, 2012, 109, 267601.	7.8	58
24	Room-temperature paramagnetoelectric effect in magnetoelectric multiferroics $Pb_{1-x}Ti_xO_{3-\delta}$ and its solid solution with $PbTiO_3$. Journal of Materials Science, 2016, 51, 5330-5342.	3.7	57
25	$Pb_{1-x}Bi_xFeO_{3-\delta}$ Films under Tensile Epitaxial Strain from First Principles. Physical Review Letters, 2011, 106, 237601.	7.8	56
26	Finite-temperature properties of the relaxor $Pb_{1-x}Mg_xO_{3-\delta}$ from atomistic simulations. Physical Review B, 2015, 91, .	3.2	49
27	Studies of Ferroelectric and Magnetic Phase Transitions in $Pb_{1-x}A_xFe_{1/2}Nb_{1/2}O_3$ (A-Ca, Ba) Solid Solutions. Ferroelectrics, 2010, 398, 16-25.	0.6	52
28	Nature of thermally stimulated acoustic emission from $Pb_{1-x}Mg_xO_{3-\delta}$ solid solutions. Applied Physics Letters, 2009, 94, 252904.	3.3	51
29	Dielectric and Mossbauer studies of ferroelectric and magnetic phase transitions in a-site and b-site substituted multiferroic $Pb_{1-x}Nb_xO_{3-\delta}$. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 1872-1878.	3.0	48
30	Critical nature of the giant field-induced pyroelectric response in $Pb_{1-x}Mg_xO_{3-\delta}$ single crystals. Applied Physics Letters, 2008, 93, 042903.	3.3	47
31	Conformational Domain Wall Switch. Advanced Functional Materials, 2019, 29, 1807523.	14.9	47
32	X-ray absorption near edge structure (XANES) for KCl. Solid State Communications, 1982, 44, 1401-1407.	1.9	46
33	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
34	Superspin glass phase and hierarchy of interactions in multiferroic $Pb_{1-x}Sb_xO_{3-\delta}$: an analog of ferroelectric relaxors?. New Journal of Physics, 2014, 16, 113041.	2.9	45

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37	Shape-induced phase transition of domain patterns in ferroelectric platelets. <i>Physical Review B</i> , 2011, 84, .	3.2	44
38	Full field electron spectromicroscopy applied to ferroelectric materials. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	43
39	Study of intrinsic point defects in oxides of the perovskite family: I. Theory. <i>Journal of Physics Condensed Matter</i> , 1996, 8, 6705-6717.	1.8	42
40	Natural optical activity and its control by electric field in electrotoroidic systems. <i>Physical Review B</i> , 2013, 87, .	3.2	42
41	High-pressure Raman scattering and x-ray diffraction of the relaxor ferroelectric $0.96\text{Pb}(\text{Zn}_{1-x}\text{Nb}_2\text{O}_3)_{0.04}\text{PbTiO}_3$. <i>Physical Review B</i> , 2005, 71, .	3.2	41
42	Asymmetric screening of the depolarizing field in a ferroelectric thin film. <i>Physical Review B</i> , 2007, 75, .	3.2	41
43	Magnetoelectricity in BiFeO_3 films: First-principles-based computations and phenomenology. <i>Physical Review B</i> , 2011, 83, .	3.2	41
44	Properties of Epitaxial Films Made of Relaxor Ferroelectrics. <i>Physical Review Letters</i> , 2013, 111, 247602.	7.8	41
45	Breaking of symmetry of one-electron orbitals at oxygen vacancies in perovskite-type oxides. <i>Journal of Physics Condensed Matter</i> , 1993, 5, 9327-9344.	1.8	40
46	Effect of polar discontinuity on the growth of $\text{LaNiO}_3/\text{LaAlO}_3$ superlattices. <i>Applied Physics Letters</i> , 2010, 96, . Phase Transitions in Epitaxial BiFeO_3 Films from First Principles. <i>Physical Review Letters</i>, 2011, 107, 117602.	3.3	37
47	Properties of Epitaxial BiFeO_3 Films from First Principles. <i>Physical Review Letters</i> , 2011, 107, 117602.	7.8	37
48	Dzyaloshinskii-Moriya-like interaction in ferroelectrics and antiferroelectrics. <i>Nature Materials</i> , 2021, 20, 341-345.	27.5	37
49	Properties of Ferroelectric Nanodots Embedded in a Polarizable Medium: Atomistic Simulations. <i>Physical Review Letters</i> , 2006, 97, 167601.	7.8	34
50	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
51	Properties of epitaxial (110) BaTiO_3 films from first principles. <i>Physical Review B</i> , 2011, 84, .	3.2	29
52	<i>Ab initio</i> approach to photostriction in classical ferroelectric materials. <i>Physical Review B</i> , 2017, 96, .	3.2	28
53	Ultrafast Neuromorphic Dynamics Using Hidden Phases in the Prototype of Relaxor Ferroelectrics. <i>Physical Review Letters</i> , 2021, 126, 027602.	7.8	27
54	Universal Domain Wall Dynamics in Ferroelectrics and Relaxors. <i>Ferroelectrics</i> , 2006, 334, 3-10.	0.6	26

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55	Kittel Law in BiFeO_3 Ultrathin Films: A First-Principles-Based Study. <i>Physical Review Letters</i> , 2010, 105, 147603.		26
56	Quantum paraelectricity coexisting with a ferroelectric metastable state in single crystals of NaNbO_3 : a new quantum effect. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 232202.	1.8	24
57	Hypertoroidal moment in complex dipolar structures. <i>Journal of Materials Science</i> , 2009, 44, 5235-5248.	3.7	24
58	Electrocaloric effects in the lead-free $\text{Ba}(\text{Zr},\text{Ti})\text{O}_3$ relaxor ferroelectric from atomistic simulations. <i>Physical Review B</i> , 2017, 96, .	3.2	24
59	Giant electrocaloric response in the prototypical $\text{Pb}(\text{Mg},\text{Nb})\text{O}_3$ relaxor ferroelectric from atomistic simulations. <i>Physical Review B</i> , 2018, 97, .	3.2	24
60	Sub-monolayer nucleation and growth of complex oxides at high supersaturation and rapid flux modulation. <i>Journal of Applied Physics</i> , 2011, 109, 114303.	2.5	23
61	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. <i>Journal of Alloys and Compounds</i> , 2011, 509, 6113-6116.	5.5	22
62	Bias Field Effect on the Dielectric and Pyroelectric Response of Single Crystal of Uniaxial Relaxor $\text{Sr}_{0.75}\text{Ba}_{0.25}\text{Nb}_2\text{O}_6$. <i>Ferroelectrics</i> , 2012, 440, 59-66.	0.6	22
63	Controlling Double Vortex States in Low-Dimensional Dipolar Systems. <i>Physical Review Letters</i> , 2008, 101, 097203.	7.8	21
64	Chiral Patterns of Tilting of Oxygen Octahedra in Zero-Dimensional Ferroelectrics and Multiferroics: A First Principle-Based Study. <i>Physical Review Letters</i> , 2010, 104, 207603.	7.8	21
65	Atomistic mechanism leading to complex antiferroelectric and incommensurate perovskites. <i>Physical Review B</i> , 2016, 94, .	3.2	21
66	Effects of 1:1 B-cation order on Raman scattering in complex perovskites $\text{ABa}_{0.5}\text{B}_{0.5}\text{O}_3$. <i>Applied Physics Letters</i> , 2005, 86, 011919.	3.3	19
67	Condensation of the atomic relaxation vibrations in lead-magnesium-niobate at $T=T^*$. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	19
68	Influence of epitaxial strain on clustering of iron in PbFeO_3 . <i>Physical Review B</i> , 2015, 92, .	3.2	19
69	<i>Ab initio</i> study of the factors affecting the ground state of rare-earth nickelates. <i>Physical Review B</i> , 2012, 85, .	3.2	18
70	Complex antipolar PbPn_2O_7 with $\text{Pn} = \text{Bi}, \text{Sb}, \text{As}, \text{V}, \text{Nb}, \text{Ta}$. <i>Physical Review B</i> , 2014, 90, .	3.2	18
71	First-principles-based effective Hamiltonian simulations of bulks and films made of lead-free $\text{Ba}(\text{Zr},\text{Ti})\text{O}_3$ relaxor ferroelectrics. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 223202.	1.8	18
72	Giant resistive switching in mixed phase BiFeO_3 <i>via</i> phase population control. <i>Nanoscale</i> , 2018, 10, 17629-17637.	5.6	18

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91	Anomalous properties of antiferroelectric PbZrO_3 under hydrostatic pressure. <i>Physical Review B</i> , 2014, 89, .	1.8	11
92	Novel Dynamical Magnetoelectric Effects in Multiferroic BiFeO_3 . <i>Physical Review Letters</i> , 2019, 122, 097601.	7.8	11
93	Coupling of Li^+ relaxators to the soft mode in $\text{KTaO}_3:\text{Li}$. <i>Journal of Physics Condensed Matter</i> , 2001, 13, 719-725.	1.8	10
94	The dielectric response of quantum paraelectrics containing dipole impurities. <i>Journal of Experimental and Theoretical Physics</i> , 2002, 94, 419-430.	0.9	10
95	Optical Spectra, Properties and First Principles Computations of $\text{Ba}(\text{Fe}, \text{Nb})\text{O}_3$ and $\text{Pb}(\text{Fe}, \text{Nb})\text{O}_3$. <i>Ferroelectrics</i> , 2004, 302, 279-283.	0.6	10
96	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
97	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
98	Polarization switching in the $\text{PbMg}_{1/3}\text{Nb}_{2/3}\text{O}_3$ relaxor ferroelectric: An atomistic effective Hamiltonian study. <i>Physical Review B</i> , 2018, 98, .	3.2	10
99	Low-temperature phase transformations in weakly doped quantum paraelectrics: novel features and quantum reentrant dipolar glass state in $\text{KTa}_{0.982}\text{Nb}_{0.018}\text{O}_3$. <i>Journal of Physics and Chemistry of Solids</i> , 2004, 65, 1317-1327.	4.0	8
100	Prediction of a novel topological multidefect ground state. <i>Physical Review B</i> , 2019, 100, .	3.2	8
101	Hidden phases with neuromorphic responses and highly enhanced piezoelectricity in an antiferroelectric prototype. <i>Physical Review B</i> , 2022, 105, .	3.2	8
102	Electronic Structure of Intrinsic Point Defects in Perovskite-Type Crystals. <i>Physica Status Solidi (B): Basic Research</i> , 1986, 137, 187-197.	1.5	7
103	Electronic structure of point defects in antiferromagnetic insulating cuprates. <i>Physica Status Solidi (B): Basic Research</i> , 1992, 174, 141-154.	1.5	7
104	Polar cluster formation due to point charge centres in $\text{KTaO}_3:\text{Li}$. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 4407-4414.	1.8	7
105	Comment on "Conduction states in oxide perovskites: Three manifestations of Ti^{3+} Jahn-Teller polarons in barium titanate". <i>Physical Review B</i> , 2004, 70, .	3.2	7
106	Dynamical magnetoelectric effects associated with ferroelectric domain walls. <i>Physical Review B</i> , 2015, 91, .	3.2	7
107	High- k Ceramic Materials Based on Nonferroelectric $\text{AFe}_{1/2}\text{B}_{1/2}\text{O}_3$ (A-Ba,Sr,Ca; B-Nb,Ta,Sb) Perovskites. <i>Integrated Ferroelectrics</i> , 2003, 55, 757-768.	0.7	7
108	A simple analytical model of the electronic structure of antiferromagnetic alternating systems: The example of the CuO_2 plane. <i>Ferroelectrics</i> , 1992, 131, 141-145.	0.6	6

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109	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
110	Dynamics of antipolar distortions. <i>Npj Computational Materials</i> , 2017, 3, .	8.7	6
111	Localization of electrons in LaCuO_3 - δ and $\text{BaPb}_{0.75}\text{Bi}_{0.25}\text{O}_3$ - δ . <i>Journal of Physics Condensed Matter</i> , 1994, 6, 7013-7025.	1.8	5
112	Relaxor properties of dilute and concentrated polar solid solutions. <i>Ferroelectrics</i> , 2001, 261, 43-52.	0.6	5
113	X-Ray, Optical and Dielectric Studies of Diffused Phase Transitions in NaNbO_3 -Based Solid Solution Crystals. <i>Ferroelectrics</i> , 2004, 298, 261-265.	0.6	5
114	Magnetoelectric signature in the magnetic properties of antiferromagnetic multiferroics: Atomistic simulations and phenomenology. <i>Physical Review B</i> , 2013, 88, .	3.2	5
115	Temperature dependence of polar modes in hybrid improper ferroelectrics. <i>Physical Review B</i> , 2019, 100, .	3.2	5
116	Evidence for Goldstone-like and Higgs-like structural modes in the model PbMg_3O_3 relaxor ferroelectric. <i>Physical Review B</i> , 2020, 102, .	3.2	5
117	Universality and origin of ultrashort intrinsic negative dielectric permittivity. <i>Physical Review B</i> , 2020, 101, .	3.2	5
118	Energy storage in lead-free $\text{Ba}(\text{Zr}, \text{Ti})\text{Mg}_3\text{O}_3$ relaxor ferroelectrics: Large densities and efficiencies and their origins. <i>Physical Review B</i> , 2022, 105, .	3.2	5
119	On the mechanism of formation of ion-excited KLnX -ray satellites of the third period atoms of molecules. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1985, 18, 3737-3743.	1.6	4
120	Electronic Structure of Interfaces and Extended Defects in Ionic Covalent Crystals. <i>Physica Status Solidi (B): Basic Research</i> , 1993, 177, 165-173.	1.5	4
121	Nonlinear dielectric susceptibility of dipole impurities dissolved in the lattice of quantum paraelectrics. <i>Physics of the Solid State</i> , 2001, 43, 1948-1951.	0.6	4
122	Linear Versus Nonlinear Field Dependence of Dielectric Stiffness in Relaxors. <i>Ferroelectrics</i> , 2005, 317, 53-55.	0.6	4
123	Electric Field Induced by Dynamical Change of Dipolar Configurations in Ferromagnets. <i>Physical Review Letters</i> , 2009, 102, 097205.	7.8	4
124	The stabilization of a single domain in free-standing ferroelectric nanocrystals. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 122202.	1.8	4
125	Strain control of layer-resolved negative capacitance in superlattices. <i>Npj Computational Materials</i> , 2020, 6, .	8.7	4
126	Strain-induced resonances in the dynamical quadratic magnetoelectric response of multiferroics. <i>Npj Computational Materials</i> , 2020, 6, .	8.7	4

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127	Electocaloric effects in multiferroics. <i>Physical Review B</i> , 2021, 103, .	3.2	4
128	Finite-temperature Dynamics in Cesium Lead Iodide Halide Perovskite. <i>Advanced Functional Materials</i> , 0, , 2106264.	14.9	4
129	Scattering of electrons at the F-center in oxides of the perovskite family. <i>Ferroelectrics</i> , 1994, 153, 279-284.	0.6	3
130	Oxygen vacancy in perovskite oxides: Electron structure calculation by the SCF χ^{\pm} , SW technique. <i>Radiation Effects and Defects in Solids</i> , 1995, 134, 75-77.	1.2	3
131	A deviation from the Coulomb law for interacting microscopic impurities in a perovskite-like lattice. <i>Journal of Physics Condensed Matter</i> , 1996, 8, 505-516.	1.8	3
132	Random-Site Cation Ordering and Dielectric Properties of $\text{PbMg}_{1/3}\text{Nb}_{2/3}\text{O}_3$ - $\text{PbSc}_{1/2}\text{Nb}_{1/2}\text{O}_3$. <i>Integrated Ferroelectrics</i> , 2003, 53, 475-487.	0.7	3
133	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
134	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
135	Quantum-mechanical calculations and analysis of vibrational modes in lead magnoniobate. <i>Physics of the Solid State</i> , 2011, 53, 147-150.	0.6	3
136	Enhanced transient negative capacitance during inhomogeneous ferroelectric switching. <i>Physical Review B</i> , 2020, 101, .	3.2	3
137	Energetic Couplings in Ferroics. <i>Advanced Electronic Materials</i> , 2022, 8, 2100639.	5.1	3
138	Electrical Energy Storage From First Principles. <i>Frontiers in Electronic Materials</i> , 2022, 2, .	3.1	3
139	Electronic structure of a step on cleaved surfaces of layered copper oxides. <i>Physica Status Solidi (B): Basic Research</i> , 1994, 183, 513-521.	1.5	2
140	SHG properties of pure and doped incipient ferroelectrics KTaO_3 and SrTiO_3 under applied electric fields. <i>Ferroelectrics</i> , 2001, 264, 261-266.	0.6	2
141	Nanodomain theory of fe glasses (a six-well model). <i>Integrated Ferroelectrics</i> , 2001, 38, 153-160.	0.7	2
142	Verification of the Thomas theoretical framework for A-substituted $\text{PbBnNb}_m\text{O}_3$ relaxor ferroelectrics. <i>Journal of Physics Condensed Matter</i> , 2001, 13, L299-L303.	1.8	2
143	Long-Range Displacive to Short-Range Order-Disorder Crossover in Weakly Concentrated $\text{KTayNb}_{1-y}\text{O}_3$. <i>Japanese Journal of Applied Physics</i> , 2002, 41, 7176-7178.	1.5	2
144	On the average charge of the oxygen vacancy in perovskites necessary for kinetics calculations. <i>Journal of Physics Condensed Matter</i> , 2002, 14, L745-L748.	1.8	2

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145	New, Lead Free Materials with a Diffuse Phase Transition: NaNbO ₃ -Based Solid Solutions. Integrated Ferroelectrics, 2002, 47, 277-283.	0.7	2
146	Dielectric Susceptibility of Strontium Titanate Doped with Ca. Ferroelectrics, 2004, 299, 83-87.	0.6	2
147	Structural transitions in Pb(In ^{1/2} Nb ^{1/2})O ₃ under pressure. Journal of Advanced Dielectrics, 2015, 05, 1550033.	2.4	2
148	Domain-wall-induced electromagnons in multiferroics. Physical Review Materials, 2022, 6, .	2.4	2
149	Electronic structure of the semi-infinite CuO ₂ layer. Physica C: Superconductivity and Its Applications, 1994, 235-240, 1069-1070.	1.2	1
150	Optical and electric properties of crystals with alternate structures. Ferroelectrics, 1995, 164, 303-313.	0.6	1
151	Electronic structure of the surfaces of layered copper oxides. Physical Review B, 1995, 52, 4545-4552.	3.2	1
152	Electronic potentials on surface sites of layered copper oxides. Surface Science, 1995, 340, L978-L982.	1.9	1
153	Properties of K _{1-x} Li _x TaO ₃ Solid Solutions; First-Principles Computations and Comparison with Experiments. Japanese Journal of Applied Physics, 2002, 41, 7179-7180.	1.5	1
154	Reentrant Dipole Glass-Like Ordering in Weakly Concentrated KTaO ₃ :Nb. Radiation Effects and Defects in Solids, 2003, 158, 275-280.	1.2	1
155	The Order Parameter in Relaxors. Integrated Ferroelectrics, 2003, 58, 1359-1370.	0.7	1
156	Disorder due to a Strong Correlation of Ionic Displacements. Ferroelectrics, 2004, 299, 185-189.	0.6	1
157	Dielectric Permittivity Study of KTaO ₃ Weakly Doped by ⁶ Li Isotope. Ferroelectrics, 2004, 302, 203-206.	0.6	1
158	Lead-Free Relaxor Ferroelectric Ceramics in NaNbO ₃ -Sr _{0.5} NbO ₃ -LiNbO ₃ Solid Solution System. Ferroelectrics, 2005, 317, 49-51.	0.6	1
159	Combined analysis of Auger chemical shifts and photoelectron lines. Soviet Physics Journal (English) Tj ETQq1 1 0.784314 rgBT /Overl	0.0	0
160	Applicability of the SCF-X ² -SW method to the calculation of the ionization potentials of the core levels of the molecules SF ₆ , H ₂ S, and SO ₂ . Journal of Structural Chemistry, 1980, 20, 783-784.	1.0	0
161	Self-consistent calculation and analysis of the chemical shifts of the K ^{2p} x-Ray lines of sulfur in the SF ₆ , SO ₂ , and H ₂ S molecules. Theoretical and Experimental Chemistry, 1980, 16, 15-20.	0.8	0
162	Electronic relaxation and the theory of chemical shifts of X-ray characteristic lines. Journal of Structural Chemistry, 1981, 21, 466-469.	1.0	0

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163	Electronic relaxation and the theory of chemical shifts of X-ray characteristic lines. Journal of Structural Chemistry, 1981, 21, 470-476.	1.0	0
164	Electronic relaxation and chemical shifts in x-ray photoelectron spectra. Theoretical and Experimental Chemistry, 1981, 16, 442-446.	0.8	0
165	Effects of extraatomic relaxation in x-ray spectra of multi-ionized atoms in molecules. Theoretical and Experimental Chemistry, 1982, 18, 89-90.	0.8	0
166	Relation between electronic structure and coordination number for boron clusters. Theoretical and Experimental Chemistry, 1985, 20, 565-567.	0.8	0
167	Electronic structure of a chain of oxygen vacancies on the (100) surface of perovskite family oxides. Ferroelectrics, 1994, 151, 193-198.	0.6	0
168	Density of electron states near surfaces of layered copper oxides. Radiation Effects and Defects in Solids, 1995, 137, 343-346.	1.2	0
169	Mid-gap states in the forbidden gap of silica. Journal of Non-Crystalline Solids, 1999, 245, 161-168.	3.1	0
170	Nature of low frequency dielectric permittivity behaviour in weakly and moderate concentrated KTaO ₃ :Li. Integrated Ferroelectrics, 2001, 37, 259-266.	0.7	0
171	A generalized arrhenius law in dilute KTaO ₃ Li versus the Vogel-Fulcher approach. Integrated Ferroelectrics, 2001, 37, 267-274.	0.7	0
172	DIFFUSE FIRST ORDER PHASE TRANSITIONS. Integrated Ferroelectrics, 2006, 78, 45-51.	0.7	0
173	The effect of A-site and B-site ion substitutions on the temperatures of ferroelectric and magnetic phase transitions in multiferroic PbFe _{0.5} Nb _{0.5} O ₃ . , 2011, , .		0