

Vladimir Shvartsman

List of Publications by Year in descending order

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206
papers

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citations

66234

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210
all docs

210
docs citations

210
times ranked

6033
citing authors

#	ARTICLE	IF	CITATIONS
1	The phenomenon of bitumen 'bee' structures ' bulk or surface layer ' a closer look. International Journal of Pavement Engineering, 2022, 23, 1768-1776.	2.2	7
2	The orthorhombic-tetragonal morphotropic phase boundary in high-pressure synthesized BiMg _{0.5} Ti _{0.5} O ₃ -BiZn _{0.5} Ti _{0.5} O ₃ perovskite solid solutions. Journal of Physics and Chemistry of Solids, 2022, 161, 110392.	1.9	3
3	Interplay of domain structure and phase transitions: theory, experiment and functionality. Journal of Physics Condensed Matter, 2022, 34, 073002.	0.7	10
4	Strong magnetoelectric coupling at an atomic nonmagnetic electromagnetic probe in bismuth ferrite. Physical Review B, 2022, 105, .	1.1	4
5	High Energy Storage Density in Nanocomposites of P(VDF-TrFE-CFE) Terpolymer and BaZr _{0.2} Ti _{0.8} O ₃ Nanoparticles. Materials, 2022, 15, 3151.	1.3	4
6	Characterization of modified lead-free ferroelectric sodium-bismuth titanate ceramics. Ferroelectrics, 2022, 591, 91-99.	0.3	0
7	Hybrid biodegradable electrospun scaffolds based on poly(L-lactic acid) and reduced graphene oxide with improved piezoelectric response. Polymer Journal, 2022, 54, 1237-1252.	1.3	8
8	Role of cooperative factors in the photocatalytic activity of Ba and Mn doped BiFeO ₃ nanoparticles. Nanoscale Advances, 2021, 3, 5830-5840.	2.2	9
9	Reply to the Comment on 'Phase transitions, screening and dielectric response of CsPbBr ₃ ' by Å. Svirskas, S. Balčiūnas, M. Aimėnas, G. Usevičius, M. Kinka, M. Velička, D. Kubicki, M. E. Castillo, A. Karabanov, V. Shvartsman, M. R. Soares, V. Åablinskas, A. N. Salak, D. C. Lupascu and J. Banys, J. Mater. Chem. A, 2020, 8, 14015. Journal of Materials Chemistry A, 2021, 9, 11453-11455.	5.2	1
10	Comment on 'Giant pyroelectric energy harvesting and a negative electrocaloric effect in multilayered nanostructures' by G. Vats, A. Kumar, N. Ortega, C. R. Bowen and R. S. Katiyar, Energy Environ. Sci., 2016, 9, 1335. Energy and Environmental Science, 2021, 14, 1612-1614.	15.6	3
11	Maxwell relation, giant (negative) electrocaloric effect, and polarization hysteresis. Applied Physics Letters, 2021, 118, .	1.5	18
12	Effect of Composition on Polarization Hysteresis and Energy Storage Ability of P(VDF-TrFE-CFE) Relaxor Terpolymers. Polymers, 2021, 13, 1343.	2.0	6
13	Effect of Excess Lead Oxide and Thermal Treatment on Dielectric and Magnetic Properties of Pb(Fe _{2/3} W _{1/3})O ₃ . , 2021, , .		0
14	Directly Measured Electrocaloric Effect in Relaxor Polymer Nanocomposites. , 2021, , .		1
15	Dependence of the magnetoelectric coupling on elastic and dielectric properties of two-phase multiferroic composites. Journal of Materials Science, 2021, 56, 14978-14988.	1.7	3
16	Li and Ta-modified KNN piezoceramic fibers for vibrational energy harvesters. Journal of the European Ceramic Society, 2021, 41, 7662-7669.	2.8	16
17	Synthesis and Properties of Modified Potassium-Sodium Niobate Ceramics. Russian Journal of Inorganic Chemistry, 2021, 66, 1257-1263.	0.3	2
18	Spontaneous and Induced Ferroelectricity in the BiFe _{1-x} Sc _x O ₃ Perovskite Ceramics. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2100173.	0.8	3

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19	Influence of calcination and sintering temperatures on dielectric and magnetic properties of Pb(Fe _{0.5} Nb _{0.5})O ₃ ceramics synthesized by the solid state method. <i>Ceramics International</i> , 2021, 47, 23396-23403.	2.3	7
20	Dielectric and Piezoelectric Properties of (Na _{0.5} Bi _{0.5})(Ti _{1-x} Mn _x)O ₃ (x = 0-0.1) Modified Ceramics. <i>Inorganic Materials</i> , 2021, 57, 942-949.	0.2	0
21	Synthesis, Structure, and Optical Properties of Large FAPbBr ₃ Perovskite Single Crystals. <i>Integrated Ferroelectrics</i> , 2021, 220, 46-55.	0.3	0
22	Band Gap of Pb(Fe _{0.5} Nb _{0.5})O ₃ Thin Films Prepared by Pulsed Laser Deposition. <i>Materials</i> , 2021, 14, 6841.	1.3	4
23	Magnetic Behaviour of Perovskite Compositions Derived from BiFeO ₃ . <i>Magnetochemistry</i> , 2021, 7, 151.	1.0	3
24	Poling and annealing of piezoelectric Poly(Vinylidene fluoride) micropillar arrays. <i>Materials Chemistry and Physics</i> , 2020, 239, 122035.	2.0	35
25	Effect of Mn and Ba Codoping on a Magnetic Spin Cycloid of Multiferroic Bismuth Ferrite Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2020, 124, 22266-22277.	1.5	24
26	Ferroelectric nanocomposites: Influence of nanoparticle size distribution on electrocaloric conversion parameters. , 2020, , .		1
27	Phase Transitions in the Metastable Perovskite Multiferroics BiCr ₃ and BiCr _{0.9} Sc _{0.1} O ₃ : A Comparative Study. <i>Inorganic Chemistry</i> , 2020, 59, 8727-8735.	1.9	5
28	Development of a 3D Printing Technique for PVDF Thin Films for Sensor Elements of Electronic Devices. , 2020, , .		1
29	The Influence of the Distribution Function of Ferroelectric Nanoparticles Sizes on Their Electrocaloric and Pyroelectric Properties. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020, 67, 2445-2453.	1.7	1
30	Phase transitions, screening and dielectric response of CsPbBr ₃ . <i>Journal of Materials Chemistry A</i> , 2020, 8, 14015-14022.	5.2	37
31	Spray-flame synthesis of BaTi _{1-x} Zr _x O ₃ nanoparticles for energy storage applications. <i>Ceramics International</i> , 2020, 46, 13915-13924.	2.3	7
32	Laser Fragmentation Synthesis of Colloidal Bismuth Ferrite Particles. <i>Nanomaterials</i> , 2020, 10, 359.	1.9	31
33	Exchange bias effect in bulk multiferroic BiFe _{0.5} Sc _{0.5} O ₃ . <i>AIP Advances</i> , 2020, 10, 045102.	0.6	6
34	Ferromagnetic-like behavior of Bi _{0.9} La _{0.1} FeO ₃ -KBr nanocomposites. <i>Scientific Reports</i> , 2019, 9, 10417.	1.6	10
35	Piezoelectric Response in Hybrid Micropillar Arrays of Poly(Vinylidene Fluoride) and Reduced Graphene Oxide. <i>Polymers</i> , 2019, 11, 1065.	2.0	28
36	Tuning the optical, structural and multiferroic properties of Bismuth Ferrite (BiFeO ₃) Nanoparticles by Doping with Ba. , 2019, , .		3

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37	Influence of synthesis route on the properties of lead iron niobate. , 2019, , .		0
38	Electrocaloric effect in P(VDF-TrFE)/ barium zirconium titanate composites. , 2019, , .		2
39	Magnetostriction via Magnetoelectricity: Using Magnetoelectric Response to Determine the Magnetostriction Characteristics of Composite Multiferroics. Technical Physics Letters, 2019, 45, 1152-1154.	0.2	4
40	Effects of selenization time and temperature on the growth of Cu ₂ ZnSnSe ₄ thin films on a metal substrate for flexible solar cells. Solar Energy, 2019, 178, 142-149.	2.9	15
41	Influence of annealing conditions on elastic and dielectric properties of P(VDF-TrFE) copolymer and its composites. Polymer Composites, 2019, 40, 1609-1618.	2.3	0
42	Analytical description of the size effect on pyroelectric and electrocaloric properties of ferroelectric nanoparticles. Physical Review Materials, 2019, 3, .	0.9	15
43	Stress induced magnetic-domain evolution in magnetoelectric composites. Nanotechnology, 2018, 29, 255702.	1.3	4
44	Evolution of poled state in P(VDF-TrFE)/(Pb,Ba)(Zr,Ti)O ₃ composites probed by temperature dependent Piezoresponse and Kelvin Probe Force Microscopy. Scientific Reports, 2018, 8, 378.	1.6	10
45	Two-phase dielectric polar structures in 0.1NBT-0.6ST-0.3PT solid solutions. Acta Materialia, 2018, 153, 117-125.	3.8	1
46	Rotomagnetic coupling in fine-grained multiferroic BiFeO_3 : Theory and experiment. Physical Review B, 2018, 97, .	1.1	22
47	Quasi-adiabatic calorimeter for direct electrocaloric measurements. Review of Scientific Instruments, 2018, 89, 034903.	0.6	17
48	Strong converse magnetoelectric effect in (Ba,Ca)(Zr,Ti)O ₃ - NiFe ₂ O ₄ multiferroics: A relationship between phase-connectivity and interface coupling. Acta Materialia, 2018, 144, 305-313.	3.8	26
49	Dielectric, Ferroelectric, and Piezoelectric Investigation of Polymer-Based P(VDF-TrFE) Composites. Physica Status Solidi (B): Basic Research, 2018, 255, 1700196.	0.7	22
50	Effect of substrate orientation on local magnetoelectric coupling in bi-layered multiferroic thin films. Nanoscale, 2018, 10, 20618-20627.	2.8	9
51	Fixed volume effect on polar properties and phase diagrams of ferroelectric semi-ellipsoidal nanoparticles. European Physical Journal B, 2018, 91, 1.	0.6	5
52	Origins of the Inverse Electrocaloric Effect. Energy Technology, 2018, 6, 1491-1511.	1.8	39
53	Sequential piezoresponse force microscopy and the "small-data" problem. Npj Computational Materials, 2018, 4, .	3.5	14
54	State transition and electrocaloric effect of BaZr _x Ti _{1-x} O ₃ : Simulation and experiment. Journal of Applied Physics, 2017, 121, .	1.1	27

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55	Weak ferromagnetism and short range polar order in NaMnF ₃ thin films. Applied Physics Letters, 2017, 110, 092901.	1.5	5
56	Temperature Effect on the Stability of the Polarized State Created by Local Electric Fields in Strontium Barium Niobate Single Crystals. Scientific Reports, 2017, 7, 125.	1.6	17
57	Dielectric Response: Answer to Many Questions in the Methylammonium Lead Halide Solar Cell Absorbers. Advanced Energy Materials, 2017, 7, 1700600.	10.2	163
58	Dielectric properties of composite based on ferroelectric copolymer of poly(vinylidene fluoride)/barium titanate. Advanced Dielectrics, 2017, 07, 1720003.	1.5	3
59	Solar Cells: Dielectric Response: Answer to Many Questions in the Methylammonium Lead Halide Solar Cell Absorbers (Adv. Energy Mater. 19/2017). Advanced Energy Materials, 2017, 7, .	10.2	3
60	Direct measurement of electrocaloric effect in lead-free Ba(Sn _x Ti _{1-x})O ₃ ceramics. Applied Physics Letters, 2017, 111, .	1.5	43
61	Effect of Al ³⁺ modification on cobalt ferrite and its impact on the magnetoelectric effect in BCZT/CFO multiferroic composites. Journal of Materials Science, 2017, 52, 13402-13413.	1.7	9
62	Electrocaloric effect in BaTiO ₃ at all three ferroelectric transitions: Anisotropy and inverse caloric effects. Physical Review B, 2017, 96, .	1.1	53
63	A Piezoresponse Force Microscopy Study of Ca _x Ba _{1-x} Nb ₂ O ₆ Single Crystals. Materials, 2017, 10, 1032.	1.3	4
64	Magnetic Properties of the Bi _{0.65} La _{0.35} Fe _{0.5} Sc _{0.5} O ₃ Perovskite. Acta Physica Polonica A, 2017, 131, 1069-1071.	0.2	1
65	High Performance Computing Tools for Cross Correlation of Multi-Dimensional Data Sets Across Instrument Platforms. Microscopy and Microanalysis, 2016, 22, 288-289.	0.2	0
66	Thickness effect on the structure, grain size, and local piezoresponse of self-polarized lead lanthanum zirconate titanate thin films. Journal of Applied Physics, 2016, 120, .	1.1	20
67	Modified Differential Scanning Calorimeter for Direct Electrocaloric Measurements. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2016, 63, 1690-1696.	1.7	20
68	Electrocaloric Effect in Ba(Zr,Ti) ₃ (Ba,Ca)TiO ₃ Ceramics Measured Directly. Journal of the American Ceramic Society, 2016, 99, 4022-4030.	1.9	59
69	The effect of silicon-substrate orientation on the local piezoelectric characteristics of LiNbO ₃ films. Journal of Surface Investigation, 2016, 10, 742-747.	0.1	4
70	The Direct and the Converse Magnetoelectric Effect in Multiferroic Cobalt Ferrite-Barium Titanate Ceramic Composites. Journal of the American Ceramic Society, 2016, 99, 3623-3631.	1.9	43
71	A new (Ba, Ca) (Ti, Zr)O ₃ based multiferroic composite with large magnetoelectric effect. Scientific Reports, 2016, 6, 32164.	1.6	49
72	Ultrasonic spectroscopy of copolymer based P(VDF-TrFE) composites with fillers on lead zirconate titanate basis. Polymer Testing, 2016, 53, 211-216.	2.3	12

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73	Nanoscale mapping of heterogeneity of the polarization reversal in lead-free relaxor ferroelectric ceramic composites. <i>Nanoscale</i> , 2016, 8, 2168-2176.	2.8	33
74	Time-resolved X-ray diffraction reveals the origins of high dielectric and electromechanical responses in ferroelectrics. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2015, 71, s84-s85.	0.0	0
75	Exchange bias phenomenon in $(\text{Nd}_{1-x}\text{Y}_x)_2/3\text{Ca}_{1/3}\text{MnO}_3$ ($x = 0, 0.1$) perovskites. <i>Low Temperature Physics</i> , 2015, 41, 1001-1005.	0.2	1
76	Polarization reversal in organic-inorganic ferroelectric composites: Modeling and experiment. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	18
77	Time-Resolved X-Ray Diffraction Reveals the Hidden Mechanism of High Piezoelectric Activity in a Uniaxial Ferroelectric. <i>Physical Review Letters</i> , 2015, 114, 097601.	2.9	17
78	Effect of dopants on the electrocaloric effect of $0.92\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-}0.08\text{PbTiO}_3$ ceramics. <i>Journal of the European Ceramic Society</i> , 2015, 35, 2065-2071.	2.8	42
79	Local manifestations of a static magnetoelectric effect in nanostructured $\text{BaTiO}_3\text{-BaFe}_{12}\text{O}_9$ composite multiferroics. <i>Nanoscale</i> , 2015, 7, 4489-4496.	2.8	32
80	Magnetodielectric effect in relaxor/ferrimagnetic composites. <i>Journal of Alloys and Compounds</i> , 2015, 640, 462-467.	2.8	8
81	Strong electrocaloric effect in lead-free $0.65\text{Ba}(\text{Zr}_{0.2}\text{Ti}_{0.8})\text{O}_3\text{-}0.35(\text{Ba}_{0.7}\text{Ca}_{0.3})\text{TiO}_3$ ceramics obtained by direct measurements. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	131
82	Magnetoelectric coupling on multiferroic cobalt ferrite-barium titanate ceramic composites with different connectivity schemes. <i>Acta Materialia</i> , 2015, 90, 1-9.	3.8	97
83	Measuring the magnetoelectric effect across scales. <i>GAMM Mitteilungen</i> , 2015, 38, 25-74.	2.7	26
84	Direct electrocaloric measurements using a differential scanning calorimeter. , 2015, , .		1
85	Dynamic pyroelectric response of composite based on ferroelectric copolymer of poly(vinylidene fluoride) and barium titanate. <i>Physics A: Materials Science and Processing</i> , 2015, 121, 311-316.	1.1	12
86	Quantitative phase separation in multiferroic $\text{Bi}_{0.88}\text{Sm}_{0.12}\text{FeO}_3$ ceramics via piezoresponse force microscopy. <i>Journal of Applied Physics</i> , 2015, 118, .	1.1	23
87	Macroscopic and Nanoscopic Polarization Relaxation Kinetics in Lead-Free Relaxors $\text{Bi}_{1/2}\text{Na}_{1/2}\text{TiO}_3$. <i>Journal of the American Ceramic Society</i> , 2014, 97, 3904-3912.		
88	Temperature dependence of the local piezoresponse in $(\text{K},\text{Na})\text{NbO}_3$ -based ceramics with large electromechanical strain. <i>Journal of Applied Physics</i> , 2014, 116, .	1.1	10
89	Nanocrystalline Barium Strontium Titanate Ceramics Synthesized via the Organosol Route and Spark Plasma Sintering. <i>Journal of the American Ceramic Society</i> , 2014, 97, 2139-2146.	1.9	19
90	Ergodicity reflected in macroscopic and microscopic field-dependent behavior of BNT-based relaxors. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	71

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127	Effect of Gd substitution on the crystal structure and multiferroic properties of BiFeO ₃ . Acta Materialia, 2009, 57, 5137-5145.	3.8	144
128	Multiglass order and magnetoelectricity in Mn ²⁺ doped incipient ferroelectrics. European Physical Journal B, 2009, 71, 407-410.	0.6	44
129	The Dielectric Relaxation in Solid Solutions BaTi _{1-x} Zr _x O ₃ . Ferroelectrics, 2009, 379, 77-85.	0.3	70
130	Crystal structure and magnetic properties of Bi _{0.8} (Gd _{1-x} Ba _x) _{0.2} FeO ₃ (x= 0, 0.5, 1) multiferroics. Journal Physics D: Applied Physics, 2009, 42, 045418.	1.3	40
131	Spin-lattice coupling in multiferroic Pb(Fe _{1/2} Nb _{1/2})O ₃ thin films. Applied Physics Letters, 2009, 94, .	1.5	54
132	Ferroelectric Phase Transitions and Electroconducting Properties of Ceramic BIMEVOX Solid Solutions (Me = La, Zr). Ferroelectrics, 2009, 391, 3-11.	0.3	15
133	MAGNETOELECTRIC Cr ₂ O ₃ FOR SPINTRONIC APPLICATIONS. Integrated Ferroelectrics, 2008, 99, 69-76.	0.3	21
134	Thin Cr ₂ O ₃ Films for Magnetoelectric Data Storage Deposited by Reactive E-beam Evaporation. Ferroelectrics, 2008, 370, 147-152.	0.3	16
135	Crystal structure and multiferroic properties of Gd-substituted BiFeO ₃ . Applied Physics Letters, 2008, 93, .	1.5	172
136	(Sr,Mn)TiO ₃ : A Magnetoelectric Multiglass. Physical Review Letters, 2008, 101, 165704.	2.9	151
137	Coexistence of spontaneous ferroelectricity and weak ferromagnetism in Bi _{0.8} Pb _{0.2} FeO _{2.9} perovskite. Journal of Physics Condensed Matter, 2008, 20, 155207.	0.7	18
138	Nanopolar structure in $\text{Sr}_{1-x}\text{Ba}_x\text{Nb}_2\text{O}_6$	1.1	123
139	Crossover from ferroelectric to relaxor behavior in BaTi _{1-x} Sr _x O ₃ solid solutions. Phase Transitions, 2008, 81, 1013-1021.	0.6	74
140	Ferroelectric Domains in Sr _x Ba _{1-x} Nb ₂ O ₆ Single Crystals (0.4 ≤ x ≤ 0.75). Ferroelectrics, 2008, 376, 1-8.	0.3	39
141	(Sr,Mn)TiO ₃ as a magnetoelectrically coupled multiglass. Journal of Physics Condensed Matter, 2008, 20, 434216.	0.7	34
142	Evolution of the Polar Structure in Relaxor Ferroelectrics Close to the Curie Temperature Studied by Piezoresponse Force Microscopy. Ferroelectrics, 2008, 373, 77-85.	0.3	33
143	ENHANCED MAGNETIZATION IN BiFeO ₃ /BaTiO ₃ MULTILAYERS: AN INTERFACE EFFECT?. Integrated Ferroelectrics, 2008, 100, 165-176.	0.3	25
144	Superconducting quantum interference device setup for magnetoelectric measurements. Review of Scientific Instruments, 2007, 78, 106105.	0.6	68

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145	Aging, rejuvenation, and memory effects in the domain state of Sr _{0.75} Ba _{0.25} Nb ₂ O ₆ . Phase Transitions, 2007, 80, 131-140.	0.6	27
146	Evolution of nanodomains in 0.9PbMg _{1/3} Nb _{2/3} O ₃ -0.1PbTiO ₃ single crystals. Journal of Applied Physics, 2007, 101, 064108.	1.1	99
147	Large bulk polarization and regular domain structure in ceramic BiFeO ₃ . Applied Physics Letters, 2007, 90, 172115.	1.5	225
148	Anomalous polarization inversion in ferroelectrics via scanning force microscopy. Nanotechnology, 2007, 18, 095502.	1.3	90
149	Nanoscale characterization of polycrystalline ferroelectric materials for piezoelectric applications. Journal of Electroceramics, 2007, 19, 83-96.	0.8	50
150	Evolution of nanodomains in the uniaxial relaxor Sr _{0.61} /Ba _{0.39} /Nb ₂ /O ₆ :Ce. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2006, 53, 2275-2279.	1.7	16
151	Two-Dimensional Ising Model Criticality in a Three-Dimensional Uniaxial Relaxor Ferroelectric with Frozen Polar Nanoregions. Physical Review Letters, 2006, 97, 065702.	2.9	80
152	Nanoscale Characterization of Ferroelectric Materials for Piezoelectric Applications. Ferroelectrics, 2006, 341, 3-19.	0.3	18
153	Domainlike precursor clusters in the paraelectric phase of the uniaxial relaxor Sr _{0.61} Ba _{0.39} Nb ₂ O ₆ . Applied Physics Letters, 2006, 89, 212901.	1.5	27
154	Ferroelectric domains and twinning in high-quality SrBi ₂ Ta ₂ O ₉ single crystals. Applied Physics Letters, 2006, 88, 062903.	1.5	7
155	Diffuse phase transition in BaTi _{1-x} Sn _x O ₃ ceramics: An intermediate state between ferroelectric and relaxor behavior. Journal of Applied Physics, 2006, 99, 124111.	1.1	201
156	Investigation of fatigue mechanism in ferroelectric ceramic via piezoresponse force microscopy. Journal of the European Ceramic Society, 2005, 25, 2559-2561.	2.8	38
157	Domain populations in lead zirconate titanate thin films of different compositions via piezoresponse force microscopy. Nanotechnology, 2005, 16, 2587-2595.	1.3	83
158	Direct characterization of nanoscale domain switching and local piezoelectric loops of (Pb,La)TiO ₃ thin films by piezoresponse force microscopy. Applied Physics A: Materials Science and Processing, 2005, 81, 1207-1212.	1.1	6
159	Piezoelectric Properties of Self-Polarized Pb(Zr _x Ti _{1-x})O ₃ Thin Films Probed by Scanning Force Microscopy. Integrated Ferroelectrics, 2005, 69, 103-111.	0.3	13
160	Processing, Investigation of Structure, Microstructure, Dielectric and Piezoelectric Properties of PbMg _{1/3} Nb _{2/3} O ₃ -PbTiO ₃ Ceramics Doped with the PbMg _{1/2} W _{1/2} O ₃ Additive. Ferroelectrics, 2005, 314, 27-35.	0.3	0
161	Relaxation of induced polar state in relaxor PbMg _{1/3} Nb _{2/3} O ₃ thin films studied by piezoresponse force microscopy. Applied Physics Letters, 2005, 86, 222907.	1.5	63
162	Fatigue-induced evolution of domain structure in ferroelectric lead zirconate titanate ceramics investigated by piezoresponse force microscopy. Journal of Applied Physics, 2005, 98, 094109.	1.1	44

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163	Polar nanodomains and local ferroelectric phenomena in relaxor lead lanthanum zirconate titanate ceramics. Applied Physics Letters, 2005, 86, 202907.	1.5	92
164	Nonlinear local piezoelectric deformation in ferroelectric thin films studied by scanning force microscopy. Journal of Applied Physics, 2005, 97, 104105.	1.1	64
165	Imaginary Time Schrödinger Treatment for Microstructure Modeling in Ferroelectrics. Integrated Ferroelectrics, 2004, 64, 51-59.	0.3	0
166	Investigation of Dielectric and Ferroelectric Properties of the Pb(Sn,Zr,Ti)O ₃ Ceramics. Ferroelectrics, 2004, 299, 145-148.	0.3	3
167	Local electromechanical properties of ferroelectric materials for piezoelectric applications. Materials Research Society Symposia Proceedings, 2004, 838, 205.	0.1	15
168	Direct observation of polar nanostructures in PLZT ceramics for electrooptic applications. Materials Research Society Symposia Proceedings, 2004, 838, 169.	0.1	1
169	X-Ray Characterization and Domain Structure of High-Quality SrBi ₂ Ta ₂ O ₉ Single-Crystals Grown by Self-Flux Solution Method. Integrated Ferroelectrics, 2004, 68, 259-268.	0.3	2
170	Investigation of Domain Structure of SrBi ₂ Ta ₂ O ₉ Single Crystals via Polarized Optical and Piezoelectric Force Microscopy. Integrated Ferroelectrics, 2004, 62, 215-220.	0.3	5
171	Roughness in GaN/InGaN films and multilayers determined with Rutherford backscattering. Nuclear Instruments & Methods in Physics Research B, 2004, 217, 479-497.	0.6	30
172	Dielectric and Piezoelectric Properties of Pb(Mg _{1/3} Nb _{2/3})O ₃ –PbTiO ₃ –Pb(Mg _{1/2} W _{1/2})O ₃ Ceramics. Inorganic Materials, 2004, 40, 998-1005.	0.2	3
173	Nanoscale properties of ferroelectric ultrathin SBT films. Journal of the European Ceramic Society, 2004, 24, 319-323.	2.8	6
174	Ferroelectric Properties of BaTiO ₃ Doped with La(Mg _{1/2} Ti _{1/2})O ₃ . Ferroelectrics, 2004, 302, 299-302.	0.3	0
175	Ferroelectric-to-relaxor transition behaviour of BaTiO ₃ ceramics doped with La(Mg _{1/2} Ti _{1/2})O ₃ . Journal of Physics Condensed Matter, 2004, 16, 2785-2794.	0.7	26
176	Dielectric and Piezoelectric Properties of the Lead-Based Perovskite Ceramics. Ferroelectrics, 2004, 313, 129-133.	0.3	3
177	Local Electromechanical Properties of PbMg _{1/3} Nb _{2/3} O ₃ Thin Films Studied by Piezoelectric Force Microscopy. Ferroelectrics, 2004, 302, 323-326.	0.3	11
178	Domain structure of 0.8Pb(Mg _{1/3} Nb _{2/3})O ₃ –0.2PbTiO ₃ studied by piezoresponse force microscopy. Physical Review B, 2004, 69, .	1.1	183
179	Ferroelectric and dielectric anisotropy in high-quality SrBi ₂ Ta ₂ O ₉ single crystals. Applied Physics Letters, 2004, 85, 5667-5669.	1.5	46
180	Domain Structure, Local Hysteresis and Ferroelectric Phase Transition in (CH ₃ NH ₃) ₅ Bi ₂ Br ₁₁ (MAPBBB) Single Crystals. Ferroelectrics, 2003, 295, 121-129.	0.3	4

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181	Ferroelectric Domain Structure and Local Piezoelectric Properties of Sol-Gel Derived $\text{Pb}(\text{Zr}_{1-x}\text{Ti}_x)\text{O}_3$ Films. Materials Research Society Symposia Proceedings, 2003, 784, 3101.	0.1	3
182	Frequency-Dependent Electromechanical Response in Ferroelectric Materials Measured via Piezoresponse Force Microscopy. Materials Research Society Symposia Proceedings, 2003, 784, 1131.	0.1	13
183	Nanoscale Ferroelectric Properties of PZN-PT Single Crystals Studied by Scanning Force Microscopy. Materials Research Society Symposia Proceedings, 2003, 785, 621.	0.1	0
184	Nanoscale domains and local piezoelectric hysteresis in $\text{Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3$ -4.5% PbTiO_3 single crystals. Applied Physics Letters, 2003, 83, 4232-4234.	1.5	92
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