## Surface effects on phase transitions in ferroelectrics and

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Citation Report

CITAT	Drr	ODT

#	Article	IF	CITATIONS
1	Surface effects on phase transitions in ferroelectrics and antiferroelectrics. Ferroelectrics, 1981, 35, 99-104.	0.3	127
2	Surface acoustic-wave propagation near the spin-reorientation phase transitions of ErFeO3. Physical Review B, 1981, 23, 6755-6764.	1.1	6
3	Separation of theD4handOhPhases near the Surface ofSrTiO3. Physical Review Letters, 1982, 48, 188-191.	2.9	34
4	Universality, irrelevant surface operators, and corrections to scaling in systems with free surfaces and defect planes. Physical Review B, 1983, 27, 2937-2954.	1.1	104
5	Theory of surface modes in ferroelectrics. Journal of Physics C: Solid State Physics, 1984, 17, 1793-1823.	1.5	144
6	Surface layers and far-infrared quasi-harmonic oscillators in triglycine sulphate at 4 K. Physica Status Solidi A, 1985, 88, 165-174.	1.7	7
7	Surface critical phenomena at first-order phase transitions. Ferroelectrics, 1987, 73, 69-81.	0.3	98
8	Finite size effects on phase transitions. Ferroelectrics, 1987, 73, 43-67.	0.3	214
9	Size effect on the ferroelectric phase transition inPbTiO3ultrafine particles. Physical Review B, 1988, 37, 5852-5855.	1.1	611
10	Structural Study of Epitaxial BaTiO3Crystals. Journal of the Physical Society of Japan, 1992, 61, 2194-2197.	0.7	68
11	The Curie temperature of ultra-thin ferroelectric films. Journal of Physics Condensed Matter, 1992, 4, 4743-4749.	0.7	104
12	Surface analysis of PbTiO3films prepared by the solâ€gel method. Journal of Applied Physics, 1992, 71, 3467-3470.	1.1	22
13	TfC23. Phase transitions in ferroelectric films. Ferroelectrics, 1992, 134, 313-318.	0.3	40
14	Surface Effects on Dielectric Susceptibility of a Semi-infinite Ferroelectric. Chinese Physics Letters, 1993, 10, 558-561.	1.3	2
15	Calculations of finite size effects in barium titanate. Ferroelectrics, Letters Section, 1993, 15, 133-140.	0.4	14
16	XRD and raman study of nanostructured Lanthanum-modified lead titanate materials. Ferroelectrics, 1993, 150, 245-253.	0.3	1
17	Thinned ferroelectric crystals and ceramics. , 0, , .		0
18	Microstructure and composition analysis of PbTiO3 films. Thin Solid Films, 1994, 237, 160-163.	0.8	9

#	Article	IF	CITATIONS
19	Size effects on phase transitions in ferroelectric films. Physics Letters, Section A: General, Atomic and Solid State Physics, 1994, 189, 121-126.	0.9	32
20	Spontaneous strain in finite size ferroelectrics. Physics Letters, Section A: General, Atomic and Solid State Physics, 1994, 192, 148-152.	0.9	1
21	Size driven phase transition in ferroelectric particles. Solid State Communications, 1994, 90, 329-332.	0.9	67
22	Size effects on the Curie temperature of ferroelectric particles. Solid State Communications, 1994, 92, 519-523.	0.9	46
23	Thermal-wave investigation of the ferroelectric phase transition in colemanite. European Physical Journal B, 1994, 93, 343-348.	0.6	1
24	Phenomenological study of the size effect on phase transitions in ferroelectric particles. Physical Review B, 1994, 50, 698-703.	1.1	486
25	Thickness dependence of the dielectric susceptibility of ferroelectric thin films. Physical Review B, 1994, 50, 12375-12380.	1.1	68
26	A new type of first-order phase transition in ferroelectric thin films. Journal of Physics Condensed Matter, 1994, 6, 1207-1212.	0.7	10
27	Depletion and depolarizing effects in ferroelectric thin films and their manifestations in switching and fatigue. Integrated Ferroelectrics, 1995, 6, 309-320.	0.3	50
28	Surface and size effects on ferroelectric films with domain structures. Physical Review B, 1995, 51, 5311-5314.	1.1	117
29	Lateral size effects on cells in ferroelectric films. Physical Review B, 1995, 51, 17235-17238.	1.1	45
30	Size Effect in Ferroelectric Long Cylinders. Chinese Physics Letters, 1995, 12, 110-112.	1.3	6
31	Quantum limits on classical permanent memories. Physical Review B, 1996, 53, 6931-6934.	1.1	0
32	Size-related ferroelectric-domain-structure transition in a polycrystallinePbTiO3thin film. Physical Review B, 1996, 54, R14337-R14340.	1.1	148
33	Surface effects and size effects on ferroelectrics with a first-order phase transition. Physical Review B, 1996, 53, 11439-11443.	1.1	70
34	Quantum switching of polarization in mesoscopic ferroelectrics. Physical Review B, 1996, 54, 5829-5843.	1.1	6
35	Size effects in nanostructured ferroelectrics. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 212, 341-346.	0.9	138
36	Ferroelectricity in confined dimension: Free-standing films. Ferroelectrics, 1996, 180, 175-211.	0.3	2

	CHATON	LPORT	
#	Article	IF	CITATIONS
37	Interfacial coupling in ferroelectric superlattices. Physical Review B, 1997, 55, 11218-11224.	1.1	115
38	Dielectric response in ferroelectric superlattices. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1997, 76, 47-57.	0.6	38
39	Dimension and Size Effects in Ferroelectrics. Japanese Journal of Applied Physics, 1997, 36, 5169-5174.	0.8	104
40	Finite-sized ferroelectrics. Ferroelectrics, 1997, 197, 15-22.	0.3	2
41	Phenomenological theory of surface effects in ferroelectrics and its relationship with transverse Ising model. Science in China Series A: Mathematics, 1997, 40, 67-75.	0.5	0
42	Stress effects in ferroelectric thin films. Solid State Communications, 1997, 101, 263-266.	0.9	15
43	Self-field effect, ΔP, and thermodynamic stability of spontaneous polarization in thin ferroelectric platelets. Ferroelectrics, 1998, 217, 53-64.	0.3	4
44	Finite size effects in a BaTiO3ferroelectric glass ceramic. Ferroelectrics, 1998, 206, 325-335.	0.3	7
45	Thickness Transitions of Ferroelectricity in Thin Films. Journal of the Physical Society of Japan, 1998, 67, 3292-3297.	0.7	51
46	Theoretical stability of the polarization in a thin semiconducting ferroelectric. Physical Review B, 1998, 57, 789-804.	1.1	125
47	Theoretical stability of the polarization in insulating ferroelectric/semiconductor structures. Journal of Applied Physics, 1998, 83, 2179-2193.	1.1	44
48	Effects of multi-surface modification on Curie temperature of ferroelectric films. Journal of Physics Condensed Matter, 1999, 11, 6581-6588.	0.7	19
49	Theory of far infrared spectroscopy for ferroelectric size effects. Integrated Ferroelectrics, 1999, 23, 161-186.	0.3	13
50	Scaling of ferroelectric properties in thin films. Applied Physics Letters, 1999, 75, 409-411.	1.5	157
51	Electrical transport throughPb(Zr,Ti)O3p-nandp-pheterostructures modulated by bound charges at a ferroelectric surface: Ferroelectricp-ndiode. Physical Review B, 1999, 59, 11257-11266.	1.1	141
52	Ferroelectric self-field effect: Implications for size effect and memory device. Integrated Ferroelectrics, 1999, 27, 51-60.	0.3	3
53	Optical transmission through ferroelectric thin films as a probe of surface terms. Ferroelectrics, 1999, 230, 209-214.	0.3	1
54	Coupling effects in ferroelectric superlattice. Solid State Communications, 2000, 114, 461-464.	0.9	36

# 55	ARTICLE Long-range coupling interactions in ferroelectric superlattices. Physical Review B, 2000, 61,	IF 1.1	Citations
56	14279-14282. Nonvolatile programmable two-terminal diodes using a ferroelectric semiconductor. Applied Physics Letters, 2000, 76, 233-235.	1.5	20
57	The Properties of Ferroelectric Films at Small Dimensions. Annual Review of Materials Research, 2000, 30, 263-298.	5.5	461
58	Surface modes in a ferroelectric film. Ferroelectrics, 2000, 241, 141-148.	0.3	1
59	Photoemission band symmetries and dipole active modes of crystalline films of vinylidene fluoride (70%) with trifluoroethylene (30%) across the ferroelectric transition(s). Journal of Physics Condensed Matter, 2000, 12, 4735-4745.	0.7	23
60	Lattice model for ferroelectric thin film materials including surface effects: Investigation on the "depolarizing―field properties. Journal of Applied Physics, 2001, 90, 1442-1454.	1.1	45
61	Long-range coupling interactions in ferroelectric sandwich structures. Journal of Applied Physics, 2001, 89, 5031-5035.	1.1	26
62	Landau theory of second-order phase transitions in ferroelectric films. Physical Review B, 2001, 63, .	1.1	80
63	Polarization fatigue in ferroelectric films: Basic experimental findings, phenomenological scenarios, and microscopic features. Journal of Applied Physics, 2001, 90, 1387-1402.	1.1	549
64	Hierarchical Structureâ^'Ferroelectricity Relationships of Barium Titanate Particles. Crystal Growth and Design, 2001, 1, 401-419.	1.4	45
65	Polarization correlation and pyroelectric properties of Pb(Zr, Ti)O3 and La doped Pb(Zr, Ti)O3 multilayer thin films. Integrated Ferroelectrics, 2001, 35, 47-54.	0.3	3
66	Optical refraction index and polarization profile of ferroelectric thin films. Integrated Ferroelectrics, 2001, 38, 101-110.	0.3	12
67	Size effects of ferroelectric sandwich structure in the presence of the long-range coupling interaction. Ferroelectrics, 2001, 252, 121-128.	0.3	0
68	The size effect of the polarization of SrBi2Ta2-xNbxO9 Capacitor. Materials Research Society Symposia Proceedings, 2001, 672, 1.	0.1	0
69	Size-driven phase transition in stress-induced ferroelectric thin films. Solid State Communications, 2001, 118, 241-246.	0.9	56
70	Grain-size effect on ferroelectricPb(Zr1â^'xTix)O3solid solutions induced by surface bond contraction. Physical Review B, 2001, 63, .	1.1	112
71	Coupling interaction induced a single new artificial ferroelectric superlattice. Ferroelectrics, 2001, 252, 113-120.	0.3	0
72	Size Effects on Polarization in Epitaxial Ferroelectric Films and the Concept of Ferroelectric Tunnel Junctions Including First Results. Materials Research Society Symposia Proceedings, 2001, 688, 1.	0.1	17

#	Article	IF	CITATIONS
73	Surface Conduction on InsulatingBaTiO3Crystal Suggesting an Intrinsic Surface Electron Layer. Physical Review Letters, 2001, 86, 332-335.	2.9	106
74	Fabrication and investigation of ultrathin, and smooth Pb(Zr,Ti)O3 films for miniaturization of microelectronic devices. Journal of Applied Physics, 2002, 92, 7434-7441.	1.1	44
75	Generalized continuum theory for ferroelectric thin films. Physical Review B, 2002, 66, .	1.1	45
76	Size Effect for Lead Zirconium Titanate Nanopowders with Pb(Zr0.3Ti0.7)O3Composition. Japanese Journal of Applied Physics, 2002, 41, 6985-6988.	0.8	17
77	Polarization waves in dielectric films with spatial dispersion. Journal of Physics Condensed Matter, 2002, 14, 1745-1763.	0.7	3
78	On an Isomorphous Transition II. Journal of the Physical Society of Japan, 2002, 71, 2576-2577.	0.7	7
79	Hysteresis Offset in Stress Induced Polarization-Graded Ferroelectrics. Materials Research Society Symposia Proceedings, 2002, 748, 1.	0.1	0
80	Thermodynamic Analysis of the Hysteresis Offsets from Polarization Graded Ferroelectric Materials. Materials Research Society Symposia Proceedings, 2002, 748, 1.	0.1	0
81	A Theory of Ferroelectric 90 Degree Domain Wall. Journal of the Physical Society of Japan, 2002, 71, 2800-2803.	0.7	39
82	Observation of Nanoscale180°Stripe Domains in FerroelectricPbTiO3Thin Films. Physical Review Letters, 2002, 89, 067601.	2.9	470
83	Temperature and thickness dependent permittivity of (Ba,Sr)TiO3 thin films. Applied Physics Letters, 2002, 81, 340-342.	1.5	190
84	Thickness Transitions of Ferroelectricity in Thin Films: II. Journal of the Physical Society of Japan, 2002, 71, 1471-1474.	0.7	15
85	The depolarization field effect on the thin ferroelectric films properties. Physica B: Condensed Matter, 2002, 322, 356-370.	1.3	90
86	Ferroelectric Materials for Microwave Tunable Applications. , 2003, 11, 5-66.		1,222
87	Influence of imperfect surface on properties of ferroelectric thin film. Microelectronic Engineering, 2003, 66, 818-824.	1.1	19
88	Influence of imperfect surface on properties of ferroelectric thin film. Physica B: Condensed Matter, 2003, 334, 456-460.	1.3	6
89	Effect of surface tension and depolarization field on ferroelectric nanomaterial properties. Physica Status Solidi (B): Basic Research, 2003, 238, 81-91.	0.7	64
90	Phase structures and stability in barium titanate ferroelectric ultrathin films. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 310, 479-485.	0.9	7

#	Article	IF	CITATIONS
91	Simulation of thickness effect in thin ferroelectric films using Landau–Khalatnikov theory. Journal of Applied Physics, 2003, 94, 3353-3359.	1.1	86
92	Effective Landau–Devonshire-Type Theory of Phase Transitions in Ferroelectric Thin Films Based on the Tilley–Zeks Model. Journal of the Physical Society of Japan, 2003, 72, 2972-2978.	0.7	9
93	Ferroelectric thin film properties—Depolarization field and renormalization of a "bulk―free energy coefficients. Journal of Applied Physics, 2003, 93, 1150-1159.	1.1	72
94	Structural and electronic properties ofBaTiO3slabs: Mechanism for surface conduction. Physical Review B, 2003, 68, .	1.1	43
95	Fundamentals of graded ferroic materials and devices. Physical Review B, 2003, 67, .	1.1	125
96	Thermodynamic analysis of temperature-graded ferroelectrics. Applied Physics Letters, 2003, 82, 1269-1271.	1.5	36
97	Surface treatment effects on the thickness dependence of the remanent polarization of PbZr0.52Ti0.48O3 capacitors. Applied Physics Letters, 2003, 83, 126-128.	1.5	28
98	LAYER POLARIZATIONS AND DIELECTRIC SUSCEPTIBILITIES OF ANTIFERROELECTRIC THIN FILMS. Modern Physics Letters B, 2003, 17, 1343-1347.	1.0	2
99	Pyroelectric response of ferroelectric thin films. Journal of Applied Physics, 2004, 95, 3618-3625.	1.1	77
100	Self-focused electron beams from pyroelectric LiNbO3 crystals and their pattern-replication capability. Journal of Applied Physics, 2004, 96, 6884-6887.	1.1	2
101	The Influence of Mismatch-Induced Field on Thin Ferroelectric Film Size Effects. Integrated Ferroelectrics, 2004, 64, 17-38.	0.3	1
102	Surface energy and spatial dispersion in ferroelectrics: the influence on the optical transmission and reflection spectra in the paraelectric state. Journal of Physics Condensed Matter, 2004, 16, 1849-1870.	0.7	2
103	The internal electric field originating from the mismatch effect and its influence on ferroelectric thin film properties. Journal of Physics Condensed Matter, 2004, 16, 3517-3531.	0.7	111
104	The description of size effects in films of order-disorder ferroelectrics on the basis of the renormalized free energy. Physica Status Solidi (B): Basic Research, 2004, 241, 3495-3504.	0.7	5
105	Size effects in thin films of order–disorder ferroelectrics allowing for the depolarization field. Physica Status Solidi (B): Basic Research, 2004, 241, R52-R55.	0.7	5
106	The order of transition of a ferroelectric thin film on a compliant substrate. Acta Materialia, 2004, 52, 5639-5644.	3.8	14
107	Can interface dislocations degrade ferroelectric properties?. Applied Physics Letters, 2004, 85, 2044-2046.	1.5	165
108	Size effects in ultrathin epitaxial ferroelectric heterostructures. Applied Physics Letters, 2004, 84, 5225-5227.	1.5	112

#	Article	IF	Citations
109	Ferroelectricity in Ultrathin Perovskite Films. Science, 2004, 304, 1650-1653.	6.0	1,168
110	The LIMM problem for ferroelectric thin films comprising space charge layers. Journal of the European Ceramic Society, 2005, 25, 2363-2368.	2.8	7
111	Improved PbZr0.52Ti0.48O3 film quality on SrRuO3/SrTiO3 substrates. Journal of Crystal Growth, 2005, 277, 210-217.	0.7	11
112	Modeling of ferroelectric domains in thin films and superlattices. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 120, 16-20.	1.7	48
113	Intrinsic Size Effects in a Barium Titanate Glassâ€Ceramic. Journal of the American Ceramic Society, 1998, 81, 979-987.	1.9	208
114	Depolarization Field and Properties of Thin Ferroelectric Films with Inclusion of the Electrode Effect. Physics of the Solid State, 2005, 47, 1331.	0.2	6
115	Electron-polarization coupling in superconductor-ferroelectric superlattices. Applied Physics A: Materials Science and Processing, 2005, 80, 217-227.	1.1	3
116	Influence of imperfect surface on dielectric susceptibility in the ferroelectric thin film with second-order phase transition. Physica Status Solidi (B): Basic Research, 2005, 242, 2967-2975.	0.7	1
117	Thickness dependence of polarization in ferroelectric perovskite thin films. Journal Physics D: Applied Physics, 2005, 38, 584-589.	1.3	38
118	Compositional symmetry breaking in ferroelectric bilayers. Applied Physics Letters, 2005, 87, 102902.	1.5	39
119	Ferroelectricity and Tetragonality in UltrathinPbTiO3Films. Physical Review Letters, 2005, 94, 047603.	2.9	280
120	Domain-Enhanced Interlayer Coupling in Ferroelectric/Paraelectric Superlattices. Physical Review Letters, 2005, 94, 047601.	2.9	156
121	Model for ferroelectric semiconductors thin films accounting for the space varying permittivity. Journal of Applied Physics, 2005, 97, 024104.	1.1	14
122	Ferroelectricity in ultrathin perovskite films. Physical Review B, 2005, 72, .	1.1	249
123	Direct structural determination in ultrathin ferroelectric films by analysis of synchrotron x-ray scattering measurements. Physical Review B, 2005, 71, .	1.1	103
124	Study of Depolarization Field Influence on Ferroelectric Films Within Transverse Ising Model. Communications in Theoretical Physics, 2005, 43, 556-560.	1.1	1
125	Permittivity, Tunability and Loss in Ferroelectrics for Reconfigurable High Frequency Electronics. Kluwer International Series in Electronic Materials: Science and Technology, 2005, , 235-324.	0.3	5
126	Size-driven domain reorientation in hydrothermally derived lead titanate nanoparticles. Journal of Materials Research, 2005, 20, 558-562.	1.2	5

#	Article		CITATIONS
127	Recent Developments in Thermodynamic Theory of Ferroelectric Thin Films. Materials Research Society Symposia Proceedings, 2005, 902, 1.	0.1	0
128	Polarization reversal of ferroelectric small particles: Surface polarization enhancement and bound charges effects. Applied Physics Letters, 2005, 87, 262903.	1.5	3
129	Ferroelectric Thin Film Self-Polarization Induced by Mismatch Effect. Ferroelectrics, 2005, 317, 125-133.	0.3	2
130	Ferroelectric Thin Film Properties: Peculiarities Related to Mismatch-Induced Polarization. Ferroelectrics, 2005, 314, 85-95.	0.3	3
131	Depolarization Field in Thin Ferroelectric Films With Account of Semiconductor Electrodes. Ferroelectrics, 2005, 316, 1-6.	0.3	7
132	Thickness Dependence of Random Field Distribution in Thin Films Made of Disordered Ferroelectrics. Ferroelectrics, 2005, 316, 83-88.	0.3	5
133	Exact and Variational Treatment of Ferroelectric Thin Films with Different Materials of Electrodes. Ferroelectrics, 2005, 317, 101-107.	0.3	3
134	Smearing of Phase Transition due to a Surface Effect or a Bulk Inhomogeneity in Ferroelectric Nanostructures. Physical Review Letters, 2005, 94, 107601.	2.9	158
135	Critical thickness of ultrathin ferroelectric BaTiO3 films. Applied Physics Letters, 2005, 86, 102907.		198
136	STRONG DEGRADATION OF PHYSICAL PROPERTIES AND FORMATION OF A DEAD LAYER IN FERROELECTRIC FILMS DUE TO INTERFACIAL DISLOCATIONS. Integrated Ferroelectrics, 2005, 71, 67-80.	0.3	20
137	Phase states of nanocrystalline ferroelectric ceramics and their dielectric properties. Journal of Applied Physics, 2005, 97, 114315.	1.1	28
138	Metal-ferroelectric-metal heterostructures with Schottky contacts. I. Influence of the ferroelectric properties. Journal of Applied Physics, 2005, 98, 124103.	1.1	258
139	Curie temperature and critical thickness of ferroelectric thin films. Journal of Applied Physics, 2005, 97, 084109.	1.1	70
140	Ionic Polarizability of Conductive Metal Oxides and Critical Thickness for Ferroelectricity inBaTiO3. Physical Review Letters, 2006, 96, 107603.	2.9	215
141	Interface Effect on Ferroelectricity at the Nanoscale. Nano Letters, 2006, 6, 483-487.	4.5	179
142	Nanoscale ferroelectrics: processing, characterization and future trends. Reports on Progress in Physics, 2006, 69, 2443-2474.	8.1	415
143	PHASE TRANSITIONS AND FERROELECTRICITY IN VERY THIN FILMS: HOMOGENEOUS AND INHOMOGENEOUS (DOMAIN) STATES. Integrated Ferroelectrics, 2006, 84, 3-21.	0.3	11
144	Microscopic Derivation of Free Energy Under Electric Field in Ferroelectric and Ferroelectric Heterostructures Containing Free Carriers. Ferroelectrics, 2006, 333, 57-67.	0.3	9

#	Article	IF	CITATIONS
145	Interlayer coupling in ferroelectric bilayer and superlattice heterostructures. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2006, 53, 2349-2356.	1.7	16
146	High dielectric constant and frozen macroscopic polarization in dense nanocrystallineBaTiO3ceramics. Physical Review B, 2006, 73, .	1.1	273
147	Ferroelectric thin films phase diagrams with self-polarized phase and electret state. Journal of Applied Physics, 2006, 99, 114102.	1.1	56
148	FERROELASTIC DOMAIN STRUCTURE AND SWITCHING IN EPITAXIAL FERROELECTRIC THIN FILMS. Annual Review of Materials Research, 2006, 36, 81-116.	4.3	72
149	PHASE TRANSFORMATION CHARACTERISTICS OF FERROELECTRIC-PARAELECTRIC BILAYERS. Integrated Ferroelectrics, 2006, 83, 165-175.	0.3	0
150	Simulation of interface dislocations effect on polarization distribution of ferroelectric thin films. Applied Physics Letters, 2006, 88, 092903.	1.5	38
151	Space charge effects in ferroelectric thin films. Journal of Applied Physics, 2006, 100, 114112.	1.1	101
152	Interface-induced phenomena in polarization response of ferroelectric thin films. Journal of Applied Physics, 2006, 100, 051607.	1.1	350
153	Piezoelectric and dielectric tunabilities of ultra-thin ferroelectric heterostructures. Journal of Materials Research, 2006, 21, 1600-1606.	1.2	12
154	A Lattice Model for Ferroelectric Superlattices. Journal of the Physical Society of Japan, 2006, 75, 064712.	0.7	24
155	Influence of semiconducting electrodes on properties of thin ferroelectric films. Physica Status Solidi (B): Basic Research, 2006, 243, 542-554.	0.7	12
156	Theoretical study on the influence of surface imperfections on the properties of ferroelectric thin films in first-order ferroelectric systems. Physica Status Solidi (B): Basic Research, 2006, 243, 2952-2961.	0.7	7
157	Influence of imperfect surface layers on dielectric and pyroelectric properties of ferroelectric thin film. Physica B: Condensed Matter, 2006, 373, 177-181.	1.3	11
158	Ferroelectric thin films: Review of materials, properties, and applications. Journal of Applied Physics, 2006, 100, 051606.	1.1	1,480
159	Ferroelectricity enhancement in confined nanorods: Direct variational method. Physical Review B, 2006, 73, .	1.1	142
160	Surface state on first-order ferroelectrics. European Physical Journal B, 2006, 52, 143-150.	0.6	1
161	Nanoferroelectrics: statics and dynamics. Journal of Physics Condensed Matter, 2006, 18, R361-R386.	0.7	180
162	Properties of ferroelectric ultrathin films from first principles. Journal of Materials Science, 2006, 41, 137-145.	1.7	37

ARTICLE IF CITATIONS Response to  $\hat{a} \in \mathbb{C}$  comment on  $\hat{a} \in \mathbb{C}$  Application of the interface capacitance model to thin-film relaxors and 163 1.5 4 ferroelectrics'―[Appl. Phys. Lett. 89, 196101 (2006)]. Applied Physics Letters, 2006, 89, 196102. Pyroelectricity and thermodynamic theory of compositionally graded ferroelectric films. Phase 164 Transitions, 2006, 79, 153-162. Surface Polarization Enhancement and Switching Properties of Small Ferroelectric Particles. 165 0.3 3 Ferroelectrics, 2006, 333, 27-39. Application of the interface capacitance model to thin-film relaxors and ferroelectrics. Applied 34 Physics Letters, 2006, 88, 262904. High dielectric tunability in ferroelectric-paraelectric bilayers and multilayer superlattices. Applied 167 1.5 55 Physics Letters, 2006, 88, 132904. Scaling of structure and electrical properties in ultrathin epitaxial ferroelectric heterostructures. 1.1 Journal of Applied Physics, 2006, 100, 051609. 169 Density inhomogeneity in ferroelectric thin films. Applied Physics Letters, 2006, 89, 052901. 1.5 6 Ferroelectric properties in KNbO3 thin films probed by optical second harmonic generation. Applied 1.5 16 Physics Letters, 2006, 89, 062907. Mismatch-Induced Electric Field as Reason of Self-Polarization Phenomenon and Electret State 171 0.3 0 Appearance in the Strained Ultrathin Ferroelectric Films. Ferroelectrics, 2006, 335, 257-268. Size effects in epitaxial ferroelectric islands and thin films. Physical Review B, 2006, 73, . 1.1 Theory for equilibrium 180° stripe domains in PbTiO3 films. Journal of Applied Physics, 2006, 100, 051601. 173 1.1 60 Curie-Weiss law in thin-film ferroelectrics. Journal of Applied Physics, 2006, 100, 044114. 174 1.1 In-plane versus out-of-plane dielectric response in the thin-film relaxorPb(Sc1a^+2Ta1a^+2)O3. Physical 175 1.1 10 Review B, 2006, 73, . THICKNESS DEPENDENCE OF THE COERCIVE FIELD IN FERROELECTRIC THIN FILMS. International Journal of 1.0 Modern Physics B, 2006, 20, 3223-3231. Modeling of Ferroelectric Thin Films. Ferroelectrics, 2007, 349, 82-84. 177 0.3 1 Comment on "Simulation of interface dislocations effect on polarization distribution of ferroelectric thin films―[Appl. Phys. Lett. 88, 092903 (2006)]. Applied Physics Letters, 2007, 90, 236101. A THEORETICAL STUDY OF THE INFLUENCE OF THE ELECTRIC FIELD AND POLARIZATION DISTRIBUTIONS ON 179 0.3 2 FERROELECTRIC THIN FILMS SWITCHING PROPERTIES. Integrated Ferroelectrics, 2007, 91, 10-22. Domains in Ultrathin Ferroelectric Films with Metallic and Semiconducting Electrodes. Ferroelectrics, 2007, 359, 1-13.

		CITATION REPORT	
#	Article	IF	CITATIONS
181	The piezoresponse force microscopy of surface layers and thin films: Effective response and resolution function. Journal of Applied Physics, 2007, 102, 074105.	1.1	51
182	Highly tunable and temperature insensitive multilayer barium strontium titanate films. Applied Letters, 2007, 90, 092901.	Physics 1.5	88
183	FERROELECTRICS SEMICONDUCTORS THIN FILMS SWITCHING PROPERTIES: A TIME DEPENDI DEVONSHIRE APPROACH. Integrated Ferroelectrics, 2007, 95, 205-213.	ENT LANDAU 0.3	0
184	Ferroelectric Domains in Thin Films and Superlattices: Results of Numerical Modeling. Ferroele 2007, 359, 14-20.	ectrics, 0.3	7
185	Antiferroelectric thin films phase diagrams. Phase Transitions, 2007, 80, 47-54.	0.6	7
186	Ferroelectricity in Asymmetric Metal-Ferroelectric-Metal Heterostructures: A Combined First-Principles–Phenomenological Approach. Physical Review Letters, 2007, 98, 207601.	2.9	93
187	Thermodynamic theory of intrinsic finite-size effects in PbTiO3 nanocrystals. I. Nanoparticle size-dependent tetragonal phase stability. Journal of Applied Physics, 2007, 101, 064114.	1.1	25
188	A Landau Primer for Ferroelectrics. , 2007, , 69-116.		76
189	Ferroelectric Size Effects. Topics in Applied Physics, 2007, , 305-338.		28
190	Elastic Stabilization of a Single-Domain Ferroelectric State in Nanoscale Capacitors and Tunne Junctions. Physical Review Letters, 2007, 98, 257603.	el 2.9	71
191	Exact Expressions for Some Dielectric Properties of Ferroelectric Thin Films Based on the Tilley Model. Journal of the Physical Society of Japan, 2007, 76, 104702.	v–Zeks 0.7	12
192	Review of Resistance Switching of Ferroelectrics and Oxides in Quest for Unconventional Elec Mechanisms. Ferroelectrics, 2007, 349, 190-209.	tronic 0.3	40
193	Theoretical investigation of polarization scaling in ultrathin epitaxial PbZrxTi1â^'xO3 films. Jou Applied Physics, 2007, 102, 104113.	rnal of 1.1	10
194	First-principles description of ferroelectric/electrode interfaces and properties of not very thin ferroelectric capacitors. Applications of Ferroelectrics, IEEE International Symposium on, 2007		0
195	Ferroelectricity enhancement in ferroelectric nanotubes. Phase Transitions, 2007, 80, 71-77.	0.6	25
196	Processing, Structure, Properties, and Applications of PZT Thin Films. Critical Reviews in Solid and Materials Sciences, 2007, 32, 111-202.	State 6.8	375
197	Thickness dependence of intrinsic dielectric response and apparent interfacial capacitance in ferroelectric thin films. Journal of Applied Physics, 2007, 101, 074102.	1.1	25
198	Polarization and lattice strains in epitaxial BaTiO3 films grown by high-pressure sputtering. Jou of Applied Physics, 2007, 101, 114106.	urnal 1.1	58

#	Article	IF	CITATIONS
199	Phase field simulations of polarization switching-induced toughening in ferroelectric ceramics. Acta Materialia, 2007, 55, 2465-2477.	3.8	83
200	Size-induced appearance of ferroelectricity in thin antiferroelectric films. Physica B: Condensed Matter, 2007, 400, 106-113.	1.3	11
201	Simulation of characteristics of phase transitions in ferroelectric thin films. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 368, 117-124.	0.9	11
202	Effects of interface dislocations on properties of ferroelectric thin films. Journal of the Mechanics and Physics of Solids, 2007, 55, 1661-1676.	2.3	31
203	Microstructural evolution and electric properties of mechanically activated BaTiO3 ceramics. Journal of the European Ceramic Society, 2007, 27, 575-579.	2.8	20
204	Appearance of ferroelectricity in thin films of incipient ferroelectric. Physica Status Solidi (B): Basic Research, 2007, 244, 3660-3672.	0.7	9
205	Unit-cell scale mapping of ferroelectricity and tetragonality in epitaxial ultrathin ferroelectric films. Nature Materials, 2007, 6, 64-69.	13.3	368
206	Competitive interactions between the surface effect and the depolarization field effect on the critical size of ferroelectric perovskite ultrathin films. Scripta Materialia, 2007, 56, 337-340.	2.6	2
207	Influence of Built-In Internal Electric Field on Ferroelectric Film Properties and Phase Diagram. Ferroelectrics, 2007, 354, 86-98.	0.3	12
208	Phase transitions induced by confinement of ferroic nanoparticles. Physical Review B, 2007, 76, .	1.1	126
209	Modeling the dependence of properties of ferroelectric thin film on thickness. Physical Review B, 2007, 76, .	1.1	28
210	Size and interface effects on Curie temperature of perovskite ferroelectric nanosolids. Journal of Nanoparticle Research, 2007, 9, 595-603.	0.8	37
211	Size dependence of phase transition temperatures of ferromagnetic, ferroelectric and superconductive nanocrystals. Frontiers of Physics in China, 2007, 2, 289-311.	1.0	4
212	Size effects and depolarization field influence on the phase diagrams of cylindrical ferroelectric nanoparticles. Physica B: Condensed Matter, 2007, 387, 358-366.	1.3	48
213	Depolarization in modeling nano-scale ferroelectrics using the Landau free energy functional. Applied Physics A: Materials Science and Processing, 2008, 91, 59-63.	1.1	113
214	Polarization properties of ferroelectric thin films on transverse ising model. Physica Status Solidi (B): Basic Research, 2008, 245, 2599-2604.	0.7	4
215	Interface and surface effects on ferroelectric nano-thin films. Acta Materialia, 2008, 56, 2966-2974.	3.8	47
216	Effect of extrapolation length on the phase transformation of epitaxial ferroelectric thin films. Physica B: Condensed Matter, 2008, 403, 3700-3704.	1.3	8

#	Article	IF	Citations
217	Landau theory of ferroelectric transition in long cylindrical nanoparticles. European Physical Journal B, 2008, 63, 205-209.	0.6	5
218	Solitons and critical breakup fields in lithium niobate type uniaxial ferroelectrics. European Physical Journal B, 2008, 65, 525-531.	0.6	15
219	BASIC PROPERTIES AND MEASURING METHODS OF NANOPARTICLES. , 2008, , 3-48.		12
220	Size-dependent ferroelectric behaviors of BaTiO3 nanowires. Applied Physics Letters, 2008, 92, .	1.5	111
221	On phase transition and the critical size in spatially restricted systems. Journal of Physics Condensed Matter, 2008, 20, 362202.	0.7	2
222	Effect of electrodes on the properties of a thin ferroelectric film. Physics of the Solid State, 2008, 50, 472-477.	0.2	7
223	Functionally Graded Polar Heterostuctures: New Materials for Multifunctional Devices. , 2008, , 307-372.		1
224	Systematic study of the ferroelectric properties of Pb(Zr0.5Ti0.5)O3 nanowires. Journal of Applied Physics, 2008, 104, .	1.1	34
225	Short-range and long-range contributions to the size effect in metal-ferroelectric-metal heterostructures. Physical Review B, 2008, 77, .	1.1	108
226	Influence of depolarization field on polarization states in epitaxial ferroelectric thin films with nonequally biaxial misfit strains. Physical Review B, 2008, 77, .	1.1	29
227	On the Electric Fields Contributions to Ferroelectric Thin Films Switching Properties. Ferroelectrics, 2008, 372, 36-40.	0.3	0
228	Lattice Vibrations in Finite Systems with Boundary Conditions Given as the Extrapolation Lengths: I. Continuum Model. Journal of the Physical Society of Japan, 2008, 77, 104707.	0.7	4
229	A simplified treatment of the Landau theory of phase transitions for thin ferroelectric films. American Journal of Physics, 2008, 76, 31-38.	0.3	5
230	Paraelectric-Ferroelectric Phase Transitions in Small Spherical Particles. Ferroelectrics, 2008, 375, 92-106.	0.3	12
231	Interface control in 3D ferroelectric nanocomposites. , 2008, , 670-691.		0
232	Modeling of graded and multilayer ferroelectrics: Dielectric and piezoelectric response. , 2008, , .		0
233	A pre-martensitic elastic anomaly in nanomaterials: elasticity of surface and interface layers. Journal of Physics Condensed Matter, 2008, 20, 485003.	0.7	14
234	Temperature dependence surface structure of BaTiO3 thin films induced by ferroelectric phase transition. Journal of Applied Physics, 2008, 103, 054109.	1.1	1

ARTICLE IF CITATIONS # Characteristics of the low electron density surface layer on BaTiO3 thin films. Applied Physics 235 1.5 21 Letters, 2008, 92, . Dielectric tunability of graded barium strontium titanate multilayers: Effect of thermal strains. Journal of Applied Physics, 2008, 104, . 1.1 Superparaelectric phase in the ensemble of noninteracting ferroelectric nanoparticles. Physical 237 53 1.1 Review B, 2008, 78, Film thickness versus misfit strain phase diagrams for epitaxial<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>PbTiO</mml:mtext></mml:mrow><mml:mnow><mml:mf\*</mml:mtext> ferroelectric films. Physical Review B, 2008, 78 Interaction of a < mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>180</mml:mn><mml:mo>°</mml:mo></mml:mrow></mml:math>ferroelectric 239 43 domain wall with a biased scanning probe microscopy tip: Effective wall geometry and thermodynamics in Ginzburg-Landau-Devonshire theory. Physical Review B, 2008, 78, Bipolar Carrier (<i>e</i> <sup>â<sup>\*</sup></sup>/<i>h</i> <sup>+</sup>) Layer on Clean Surface of Insulating BaTiO<sub>3</sub> Crystal Intrinsic to Ferroelectrics. Ferroelectrics, 2008, 367, 23-37. 0.3 241 Properties of Thin Ferroelectric Film with Different Electrodes. Ferroelectrics, 2008, 363, 251-261. 0.3 0 Exact Expressions of Third-Order Nonlinear Susceptibility in Finite Ferroelectric Systems Based on the Tilley–Żeks Model. Journal of the Physical Society of Jápan, 2009, 78, 104707. Understanding the origins of the intrinsic dead layer effect in nanocapacitors. Physical Review B, 243 88 1.1 2009, 79, . A gradational system for ferroelectric nanosized (Pb0.7Sr0.3)TiO3particles. Journal of Physics 244 Condensed Matter, 2009, 21, 025903. "Dead layer―characteristics based on a correlation of the ferroelectric polarization under relevant 245 12 1.1 boundary conditions in a parallel plate capacitor. Journal of Applied Physics, 2009, 105, 053515. Misfit strain induced magnetoelectric coupling in thin ferroic films. Journal of Applied Physics, 2009, 1.1 105,084108. Surface effect on domain wall width in ferroelectrics. Journal of Applied Physics, 2009, 106, . 247 1.1 59 General approach for the description of size effects in ferroelectric nanosystems. Journal of Materials Science, 2009, 44, 5149-5160. 248 1.7 Fabrication of epitaxial nanostructured ferroelectrics and investigation of their domain structures. 249 17 1.7 Journal of Materials Science, 2009, 44, 5167-5181. Polarization response explored by joint Hamiltonian andÂstochastic approach. Applied Physics A: 1.1 Materials Science and Processing, 2009, 96, 549-555. Thermodynamic modeling of critical properties of ferroelectric superlattices in nano-scale. Applied 251 1.1 67 Physics A: Materials Science and Processing, 2009, 97, 617-626. Thermodynamic modeling of nanoscale ferroelectric systems. Acta Mechanica Solida Sinica, 2009, 22, 524-549.

#	ARTICLE	IF	CITATIONS
253	Size effect on SrRuO3/BaTiO3/SrRuO3 ferroelectric ultrathin film capacitor. Solid State Communications, 2009, 149, 802-805.	0.9	10
254	Phase Transitions in Nanoscale Ferroelectric Structures. MRS Bulletin, 2009, 34, 832-837.	1.7	11
255	On the Theory of Domain Structure of Disordered Ferroelectrics. Ferroelectrics, 2009, 390, 99-106.	0.3	4
256	Polarization coupling in ferroelectric multilayers. Physical Review B, 2009, 79, .	1.1	67
257	Tilley-Zeks Model in Switching Phenomena of Ferroelectric Films. Ferroelectrics, 2009, 380, 150-159.	0.3	17
258	Nanoscopic intrinsic properties of ferroelectric surface and domain revealed by atomically clean BaTiO <inf>3</inf> surface in UHV and implications for applications. , 2009, , .		1
259	Investigation of Clean Ferroelectric Surface in Ultra High Vacuum (UHV): Surface Conduction and Scanning Probe Microscopy in UHV. Ferroelectrics, 2009, 379, 157-167.	0.3	14
260	Thermodynamics of nanodomain formation and breakdown in scanning probe microscopy: Landau-Ginzburg-Devonshire approach. Physical Review B, 2009, 80, .	1.1	63
261	Giant piezoelectric resistance in ferroelectric tunnel junctions. Nanotechnology, 2009, 20, 075401.	1.3	78
262	Static and Dynamic Properties of Thin Films with Space Charges. Ferroelectrics, 2009, 391, 99-107.	0.3	Ο
263	Spontaneous flexoelectric/flexomagnetic effect in nanoferroics. Physical Review B, 2009, 79, .	1.1	234
264	Effects of extrapolation length δ on switching time and coercive field. Journal of Applied Physics, 2009, 105, 061602.	1.1	19
265	Proper Permittivity for Depolarization Field and Its Implication to Universal Instability of Insulating Ferroelectric: A Note. Journal of the Physical Society of Japan, 2010, 79, 034713.	0.7	6
266	Misfit strain–film thickness phase diagrams and related electromechanical properties of epitaxial ultra-thin lead zirconate titanate films. Acta Materialia, 2010, 58, 823-835.	3.8	34
267	Critical properties of symmetric nanoscale metal–ferroelectric–metal capacitors. Acta Materialia, 2010, 58, 3050-3058.	3.8	30
268	Dielectric properties in strained SrTiO3 thin film. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 4779-4783.	0.9	0
269	Soft mode analysis and ferroelectric transition in spherical nanoparticles. Solid State Communications, 2010, 150, 172-175.	0.9	1
270	Spinodal single-domain→polydomain transition and P–E hysteresis in thin ferroelectric films. Acta Materialia, 2010, 58, 1004-1015.	3.8	10

#	Article	IF	CITATIONS
271	Processing Technologies for Highâ€Permittivity Thin Films in Capacitor Applications. Journal of the American Ceramic Society, 2010, 93, 3935-3954.	1.9	105
272	Hyper-sensitive piezophotovoltaic effects in ferroelectric nanocylinders. Journal of Applied Physics, 2010, 107, .	1.1	13
273	Effects of Depolarization Field and Interfacial Coupling on the Polarization of Ferroelectric Bilayers. Chinese Physics Letters, 2010, 27, 017702.	1.3	8
274	Appropriate Value of Permittivity for Depolarization Field and Universal Instability of Insulating Ferroelectric Phase in Single-Domain State. Ferroelectrics, 2010, 406, 35-38.	0.3	7
275	Ferroelectric dead layer driven by a polar interface. Physical Review B, 2010, 82, .	1.1	51
276	Surface and finite size effect on fluctuations dynamics in nanoparticles with long-range order. Journal of Applied Physics, 2010, 107, 044101.	1.1	9
277	Phase field modeling of domain structures and <i>P–E</i> hysteresis in thin ferroelectric layers with deadlayers. Philosophical Magazine, 2010, 90, 89-101.	0.7	10
278	Correlation Radius in Thin Ferroelectric Films. Ferroelectrics, 2010, 400, 243-254.	0.3	4
279	Dielectric and ferroelectric response of compositionally graded bilayer and trilayer composites of BaTiO3 and 0.975BaTiO3–0.025Ba(Cu1/3Nb2/3)O3. Journal of Applied Physics, 2010, 108, .	1.1	18
280	<i>Ab initio</i> study of ferroelectric closure domains in ultrathin <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"&gt;<mml:mrow><mml:mrow><mml:mrow><mml:mtext>PbTiO</mml:mtext></mml:mrow><mml:m Physical Review B. 2010. 81</mml:m </mml:mrow></mml:mrow></mml:math 	n> <sup>1</sup> 3 <sup>1</sup> /mm	l:mn> < /mml:
281	Phase diagram and domain splitting in thin ferroelectric films with incommensurate phase. Physical Review B, 2010, 81, .	1.1	23
282	Interfacial engineering and coupling of electric and magnetic properties in Pb(Zr0.53Ti0.47)O3/CoFe2O4 multiferroic epitaxial multilayers. Journal of Applied Physics, 2010, 107, 104105.	1.1	52
283	Lattice Vibrations in Finite Systems with Boundary Conditions Given with the Extrapolation Length: II. Discrete Model with Symmetric Boundary Condition. Journal of the Physical Society of Japan, 2010, 79, 074709.	0.7	3
284	The Size-Dependent Ferroelectric Phase Transition in BaTiO <sub>3</sub> Nanocrystals Probed by Surface Plasmons. ACS Nano, 2011, 5, 507-515.	7.3	43
285	Size effect in ferroelectrics: Competition between geometrical and crystalline symmetries. Physical Review B, 2011, 83, .	1.1	27
286	Equilibrium and stability of polarization in ultrathin ferroelectric films with ionic surface compensation. Physical Review B, 2011, 84, .	1.1	95
287	Electrostatic coupling with interfacial free charge in ferroelectric–paraelectric bilayers and superlattices. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 4091-4094.	0.9	6
288	Switching dynamics in ferroelectric superlattices. Current Applied Physics, 2011, 11, 755-761.	1.1	20

#	Article	IF	CITATIONS
289	A continuum theory of surface piezoelectricity for nanodielectrics. Science China: Physics, Mechanics and Astronomy, 2011, 54, 564-573.	2.0	61
290	Nanostructured Ferroelectrics: Fabrication and Structure–Property Relations. Advanced Materials, 2011, 23, 4599-4613.	11.1	74
291	A self-consistent approach to soft mode analysis in size driven ferroelectricity. Physica B: Condensed Matter, 2011, 406, 2948-2952.	1.3	2
292	Structure and energetics of 180° domain walls in PbTiO <sub>3</sub> by density functional theory. Journal of Physics Condensed Matter, 2011, 23, 175902.	0.7	48
293	Influence of dielectric stiffness, interface, and layer thickness on hysteresis loops of ferroelectric superlattices. Journal of Applied Physics, 2011, 110, .	1.1	12
294	Soft mode behavior in strained SrTiO <inf>3</inf> thin film. , 2011, , .		0
295	Interfacial nanolayers and permittivity of ferroelectric superlattices. Journal of Applied Physics, 2011, 109, 126101.	1.1	10
296	Recent Applications of Landau-Ginzburg Theory to Ferroelectric Superlattices: A Review. Solid State Phenomena, 0, 189, 145-167.	0.3	12
297	Validity of Nonlinear Thermo dynamic Models in Ferroelectric-Paraelectric Bilayers and Superlattices. Chinese Physics Letters, 2012, 29, 057701.	1.3	3
298	Thickness driven stabilization of saw-tooth–like domains upon phase transitions in ferroelectric thin films with depletion charges. Journal of Applied Physics, 2012, 111, 064105.	1.1	11
299	Interface dipole effect on thin film ferroelectric stability: First-principles and phenomenological modeling. Physical Review B, 2012, 85, .	1.1	45
300	Surface polar states and pyroelectricity in ferroelastics induced by flexo-roto field. Applied Physics Letters, 2012, 100, .	1.5	38
301	Absence of Ferroelectric Critical Size in UltrathinPbTiO3Nanotubes: A Density-Functional Theory Study. Physical Review Letters, 2012, 108, 067601.	2.9	40
302	COMBINED EFFECT OF THE ELECTRODE AND SURFACE TRANSITION LAYER ON THE PROPERTIES OF A FERROELECTRIC THIN FILM. Surface Review and Letters, 2012, 19, 1250058.	0.5	1
303	Vortex Domain Structure in Ferroelectric Nanoplatelets and Control of its Transformation by Mechanical Load. Scientific Reports, 2012, 2, 796.	1.6	64
304	THE INFLUENCE OF MECHANICAL AND ELECTRICAL INTERFACIAL CONDITIONS ON THRESHOLD FIELD OF FERROELECTRIC NANOTHIN FILMS. Functional Materials Letters, 2012, 05, 1250013.	0.7	1
305	Intrinsic Free Electrons/Holes at Polarization Discontinuities and their Implications for Basics of Ferroelectricity and its Origin. Solid State Phenomena, 2012, 189, 57-93.	0.3	4
306	Effects of the surface charge screening and temperature on the vortex domain patterns of ferroelectric nanodots. Journal of Applied Physics, 2012, 112, 104108.	1.1	15

#	Article	IF	Citations
307	Basic properties and measuring methods of nanoparticles. , 2012, , 3-48.		1
308	Lattice Vibrations in Finite Discrete Systems with Symmetric and Asymmetric Boundary Conditions. Ferroelectrics, 2012, 433, 12-21.	0.3	0
309	Roto-flexoelectric coupling impact on the phase diagrams and pyroelectricity of thin SrTiO3 films. Journal of Applied Physics, 2012, 112, .	1.1	18
310	Surface effects and diffusive phase transition in ferroelectric thin films: A self-consistent approach. Solid State Communications, 2012, 152, 1572-1576.	0.9	3
311	Phase field simulations of stress controlling the vortex domain structures in ferroelectric nanosheets. Applied Physics Letters, 2012, 100, 062901.	1.5	54
312	Ferromagnetic resonance shifts from electric fields: Field-enhanced screening charge in ferromagnet/ferroelectric multilayers. Physical Review B, 2012, 85, .	1.1	10
313	Dynamic thermo-mechanical coupling and size effects in finite shape memory alloy nanostructures. Computational Materials Science, 2012, 63, 105-117.	1.4	37
314	Switching behavior of ferroelectric thin films with deadlayers. Smart Materials and Structures, 2012, 21, 094019.	1.8	7
315	Exploring Mesoscopic Physics of Vacancy-Ordered Systems through Atomic Scale Observations of Topological Defects. Physical Review Letters, 2012, 109, 065702.	2.9	36
316	Ferroelectric-Paraelectric Phase Transition in Triglycine Sulphate via Piezoresponse Force Microscopy. Ferroelectrics, 2012, 426, 215-222.	0.3	13
317	Nanoscale Ferroelectric Films, Strips and Boxes. , 0, , .		0
318	Ferroelectric order in individual nanometre-scale crystals. Nature Materials, 2012, 11, 700-709.	13.3	292
319	Critical properties of nanoscale asymmetric ferroelectric tunnel junctions or capacitors. Acta Materialia, 2012, 60, 1857-1870.	3.8	15
320	Tunability response in exponentially graded ferroelectrics: A TIM model approach. Physica B: Condensed Matter, 2012, 407, 505-508.	1.3	0
321	Polarization field gradient effects in inhomogeneous metal–ferroelectric bilayers: Optical response and band gap tunability. Physica B: Condensed Matter, 2012, 407, 2089-2093.	1.3	2
322	Enhancement of Ferroelectric Polarization Stability by Interface Engineering. Advanced Materials, 2012, 24, 1209-1216.	11.1	118
323	On the dynamics of vortex structure in ferroelectric nanoparticles. Acta Mechanica, 2013, 224, 1175-1184.	1.1	9
324	Effects of thickness on the polarization states in epitaxial ferroelectric thin films. Acta Mechanica, 2013, 224, 1225-1231.	1.1	5

#	Article	IF	CITATIONS
325	Fundamentals of flexoelectricity in solids. Nanotechnology, 2013, 24, 432001.	1.3	522
326	Dielectric response of fully and partially depleted ferroelectric thin films and inversion of the thickness effect. Journal Physics D: Applied Physics, 2013, 46, 125301.	1.3	8
327	Derivation of the Landau-Ginzburg Expansion Coefficients. Advanced Topics in Science and Technology in China, 2013, , 321-375.	0.0	2
328	Size and Surface Effects of Phase Transition on Nanoferroelectric Materials. Advanced Topics in Science and Technology in China, 2013, , 179-268.	0.0	0
329	Influence of domain structure on the nonlinear polarization properties of A 2 BX 4-group crystals. Bulletin of the Russian Academy of Sciences: Physics, 2013, 77, 1041-1046.	0.1	3
330	Influence of Adsorbate-Induced Charge Screening, Depolarization Factor, Mobile Carrier Concentration, and Defect-Induced Microstrain on the Size Effect of a BaTiO <sub>3</sub> Nanoparticle. Journal of Physical Chemistry C, 0, , 130911155918002.	1.5	12
331	Phenomenological study of inhomogeneous interfacial ferroelectrics. Journal of Applied Physics, 2013, 114, 114101.	1.1	2
332	Vortex domain structures of an epitaxial ferroelectric nanodot and its temperature-misfit strain phase diagram. Physical Chemistry Chemical Physics, 2013, 15, 7277.	1.3	33
333	Size effects in KDP-porous glass ferroelectric nanocomposites. Phase Transitions, 2013, 86, 910-916.	0.6	19
334	Influences of surface transition layer on switching time and coercive field of a ferroelectric thin film. Solid State Sciences, 2013, 16, 65-70. Influence of orbital contributions to the valence band alignment of Bi <mml:math< td=""><td>1.5</td><td>10</td></mml:math<>	1.5	10
335	xmins:mml="http://www.w3.org/1998/Math/MathML" display="inline"> <mml:msub><mml:mrow /&gt;<mml:mn>2</mml:mn></mml:mrow </mml:msub> O <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"&gt;<mml:msub><mml:mrow /&gt;<mml:mn>3</mml:mn></mml:mrow </mml:msub>, Fe<mml:math< td=""><td>1.1</td><td>53</td></mml:math<></mml:math 	1.1	53
336	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> <mml:msub><mml:mrow /&gt;<mml: Temperature dependence of energy band gap and spontaneous polarization of SbSI nanowires. Optical Materials, 2013, 35, 1200-1206.</mml: </mml:mrow </mml:msub>	1.7	21
337	Ferroelectric nanoparticles, wires and tubes: synthesis, characterisation and applications. Journal of Materials Chemistry C, 2013, 1, 2618.	2.7	153
338	Theoretical Description of Primary Nanoferroics. Comparison of the Theory with Experiment. Springer Series in Materials Science, 2013, , 91-187.	0.4	0
339	Impact of Confinement-Induced Cooperative Molecular Orientation Change on the Ferroelectric Size Effect in Ultrathin P(VDF-TrFE) Films. Macromolecules, 2013, 46, 1883-1889.	2.2	48
340	Pyroelectric origin of the carrier density modulation at graphene-ferroelectric interface. Journal of Applied Physics, 2013, 114, 014101.	1.1	13
341	Effect of Strain on Barium Titanate Epitaxial Films. Key Engineering Materials, 2013, 547, 139-144.	0.4	0
342	Ab initio study on the size effect of symmetric and asymmetric ferroelectric tunnel junctions: A comprehensive picture with regard to the details of electrode/ferroelectric interfaces. Journal of Applied Physics, 2013, 114, 064105	1.1	23

#	Article	IF	CITATIONS
343	Influence of electrodes on polarization-reversal characteristics of a ferroelectric thin film. Physica Status Solidi (B): Basic Research, 2013, 250, 1804-1809.	0.7	4
344	Theoretical Methods of Domain Structures in Ultrathin Ferroelectric Films: A Review. Materials, 2014, 7, 6502-6568.	1.3	17
345	Carrier accumulation near electrodes in ferroelectric films due to polarization boundary conditions. Journal of Applied Physics, 2014, 116, 024102.	1.1	12
346	Misfit strain-temperature phase diagrams and domain stability of asymmetric ferroelectric capacitors: Thermodynamic calculation and phase-field simulation. Journal of Applied Physics, 2014, 115, 094101.	1.1	2
347	Pinning effects of dislocations on vortex domain structure in ferroelectric nanodots. Applied Physics Letters, 2014, 104, .	1.5	12
348	Electrocaloric properties of ferroelectric-paraelectric superlattices controlled by the thickness of paraelectric layer in a wide temperature range. AIP Advances, 2014, 4, .	0.6	10
349	Effect of Vegard strains on the extrinsic size effects in ferroelectric nanoparticles. Physical Review B, 2014, 90, .	1.1	34
350	Chiral selectivity of improper ferroelectricity in single-wall <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"&gt;<mml:msub><mml:mi>PbTiO</mml:mi><mml:mn>3Physical Review B, 2014, 89, .</mml:mn></mml:msub></mml:math 	nl:mma> <td>m<b>b</b>msub&gt;<!--</td--></td>	m <b>b</b> msub> </td
351	The stabilization of a single domain in free-standing ferroelectric nanocrystals. Journal of Physics Condensed Matter, 2014, 26, 122202.	0.7	4
352	Ferroelectric phase coexistence by crystallite size reduction inBiFeO3â^PbTiO3. Physical Review B, 2014, 90, .	1.1	19
353	Coexistence of toroidal and polar domains in ferroelectric systems: A strategy for switching ferroelectric vortex. Journal of Applied Physics, 2014, 115, 214106.	1.1	29
354	Understanding order in compositionally graded ferroelectrics: Flexoelectricity, gradient, and depolarization field effects. Physical Review B, 2014, 89, .	1.1	22
355	Oxygen-Vacancy-Induced Polar Behavior in (LaFeO3)2/(SrFeO3) Superlattices. Nano Letters, 2014, 14, 2694-2701.	4.5	53
356	Continuous Theory of Switching in Geometrically Confined Ferroelectrics. Ferroelectrics, 2014, 461, 16-21.	0.3	Ο
357	Defect thermodynamics and kinetics in thin strained ferroelectric films: The interplay of possible mechanisms. Physical Review B, 2014, 89, .	1.1	28
358	Accumulation, inversion, and depletion layers in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"&gt;<mml:msub><mml:mi>SrTiO</mml:mi><mml:mn>3Physical Review B, 2015, 91, .</mml:mn></mml:msub></mml:math 	l:mn> <td>ml<b>31</b>/sub&gt;</td>	ml <b>31</b> /sub>
359	Effective-surface-energy approach for size effects in ferroics. Physical Review B, 2015, 91, .	1.1	2
360	Utilizing mechanical loads and flexoelectricity to induce and control complicated evolution of domain patterns in ferroelectric nanofilms. Journal of the Mechanics and Physics of Solids, 2015, 79, 108-133.	2.3	52

ARTICLE IF CITATIONS # Electrical imprint effects on far infrared (FIR) transmittance spectrum in PZT ferroelectric films. 361 1.0 0 Optics Communications, 2015, 345, 158-162. Velocity of domain-wall motion during polarization reversal in ferroelectric thin films: Beyond 1.1 28 Merz's Law. Physical Review B, 2015, 91, . Vortex switching in ferroelectric nanodots and its feasibility by a homogeneous electric field: Effects 363 3.8 46 of substrate, dislocations and local clamping force. Acta Materialia, 2015, 88, 41-54. Switching properties of first-order ferroelectric thin films. European Physical Journal B, 2015, 88, 1. 364 Recent advances in piezoelectric and magnetoelectric materials phenomena., 2015, , 103-157. 365 7 Phase transitions and domain structures in thin ferroelectric films. Phase Transitions, 2015, 88, 0.6 682-691. Finite size effects in ferroelectric-semiconductor thin films under open-circuit electric boundary 367 1.1 29 conditions. Journal of Applied Physics, 2015, 117, . The Magnetic Properties of Multi-surface Transverse Ferroelectric Ising Thin Films. Journal of 368 0.8 Superconductivity and Novel Magnetism, 2015, 28, 877-883. Effect of Mechanical Loads on Stability of Nanodomains in Ferroelectric Ultrathin Films: Towards 369 23 1.6 Flexible Erasing of the Non-Volatile Mémories. Scientific Reports, 2014, 4, 5339. 370 Solid-State Mechanochemical Syntheses of Perovskites., 0, , . Tunneling electroresistance of MgZnO-based tunnel junctions. Applied Physics Letters, 2016, 109, . 371 1.5 5 Origin of thickness dependence of structural phase transition temperatures in highly strained BiFeO3 2.2 thin films. APL Materials, 2016, 4, 036106. Ballistic conductivity of graphene channel with p-n junction at ferroelectric domain wall. Applied 373 1.5 19 Physics Letters, 2016, 108, . Large controllability of domain evolution in ferroelectric nanodot via isotropic surface charge 374 1.1 screening. Applied Physics A: Materials Science and Processing, 2016, 122, 1. Extrinsic size effect of pyroelectric response of ferroelectric films. Journal of Applied Physics, 2016, 375 1.1 5 120, 174102. Strong surface effect on direct bulk flexoelectric response in solids. Applied Physics Letters, 2016, 33 108, Strain tunability of the downward effective polarization of mechanically written domains in 377 1.7 11 ferroelectric nanofilms. RSC Advances, 2016, 6, 80946-80954. Scaling Effects in Perovskite Ferroelectrics: Fundamental Limits and Processâ€Structureâ€Property 379 146 Relations. Journal of the American Ceramic Society, 2016, 99, 2537-2557.

#	Article	IF	CITATIONS
380	Polarisation dependence of Schottky barrier heights at ferroelectric BaTiO <sub>3</sub> / RuO <sub>2</sub> interfaces: influence of substrate orientation and quality. Journal Physics D: Applied Physics, 2016, 49, 295304.	1.3	23
381	Flexocoupling impact on size effects of piezoresponse and conductance in mixed-type ferroelectric semiconductors under applied pressure. Physical Review B, 2016, 94, .	1.1	32
382	Metal-ferroelectric-metal current-voltage characteristics: A charge flow balance through interfaces approach. European Physical Journal B, 2016, 89, 1.	0.6	4
383	Size-dependent and distinguishing degenerated vortex states in ferroelectric nanodots under controllable surface charge conditions. RSC Advances, 2016, 6, 28393-28405.	1.7	5
384	Flexocoupling impact on the kinetics of polarization reversal. Physical Review B, 2017, 95, .	1.1	7
385	Theoretical Approach to Electroresistance in Ferroelectric Tunnel Junctions. Physical Review Applied, 2017, 7, .	1.5	26
386	Curie phase transition and critical size for ferroelectricity in strained ultrathin PbTiO <sub>3</sub> and BaTiO <sub>3</sub> : A phenomenological study. Ferroelectrics, 2017, 507, 86-101.	0.3	8
387	The theoretical investigation of the structural transitions in thin ferroelectric films. Ferroelectrics, 2017, 508, 130-137.	0.3	0
388	Piezoresponse of ferroelectric films in ferroionic states: Time and voltage dynamics. Applied Physics Letters, 2017, 110, 182907.	1.5	16
389	Possible absence of critical thickness and size effect in ultrathin perovskite ferroelectric films. Nature Communications, 2017, 8, 15549.	5.8	104
390	<mml:math <br="" xmlns:mml="http://www.w3.org/1998/Math/MathML">display="inline"&gt;<mml:mrow><mml:mi>p</mml:mi><mml:mtext>â^`</mml:mtext><mml:mi>n</mml:mi>Junction Dynamics Induced in a Graphene Channel by Ferroelectric-Domain Motion in the Substrate. Physical Review Applied, 2017, 8, .</mml:mrow></mml:math>	mrow> <td>ml;math&gt;</td>	ml;math>
391	Ferroelectric system dynamics simulated by a second-order Landau model. Journal of Applied Physics, 2017, 122, 094101.	1.1	11
392	Effects of grain boundary and grain orientation on electrical behavior of polycrystalline ferroelectric field effect transistor. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1700277.	0.8	3
393	Effect of surface ionic screening on the polarization reversal scenario in ferroelectric thin films: Crossover from ferroionic to antiferroionic states. Physical Review B, 2017, 96, .	1.1	26
394	Pressure-induced switching in ferroelectrics: Phase-field modeling, electrochemistry, flexoelectric effect, and bulk vacancy dynamics. Physical Review B, 2017, 96, .	1.1	44
395	Columnar domains and anisotropic growth laws in dipolar systems. Physical Review E, 2017, 95, 060103.	0.8	3
396	Ferroionic states in ferroelectric thin films. Physical Review B, 2017, 95, .	1.1	57
397	Computer simulation of the structural phase transitions in thin ferroelectric films. Journal of Advanced Dielectrics, 2017, 07, 1750004.	1.5	2

	СІТАТ	ION	Repo	RT
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#	Article	IF	CITATIONS
398	A Thermodynamic Perspective of Negative-Capacitance Field-Effect Transistors. IEEE Journal on Exploratory Solid-State Computational Devices and Circuits, 2017, 3, 56-64.	1.1	28
399	Physical Origin of Transient Negative Capacitance in a Ferroelectric Capacitor. Physical Review Applied, 2018, 9, .	1.5	66
400	Defect-driven flexochemical coupling in thin ferroelectric films. Physical Review B, 2018, 97, .	1.1	39
401	Nontrivial temperature behavior of the carrier concentration in graphene on ferroelectric substrate with domain walls. Acta Materialia, 2018, 155, 302-317.	3.8	16
402	Ferroelectric critical size and vortex domain structures of PbTiO3 nanodots: A density functional theory study. Journal of Applied Physics, 2018, 123, .	1.1	11
403	Order Parameter Boundary Conditions for Ferroics: Application to Flexoelectricity. Physica Status Solidi (B): Basic Research, 2018, 255, 1700312.	0.7	0
404	Anomalous Polarization Switching Characteristics in a Ferroelectric Heterostructure. Physica Status Solidi (B): Basic Research, 2018, 255, 1700371.	0.7	3
405	Controlling the phase transition in nanocrystalline ferroelectric thin films via cation ratio. Nanoscale, 2018, 10, 21798-21808.	2.8	6
406	Specific Heat and Thermal Expansion of Triglycine Sulfate–Porous Glass Nanocomposites. Physics of the Solid State, 2018, 60, 1338-1343.	0.2	7
407	Investigation of fractal feature of multiferroic BiFeO <sub>3</sub> thin films deposited on different substrates. Materials Research Express, 2018, 5, 126405.	0.8	10
408	Control of polarization reversal temperature behavior by surface screening in thin ferroelectric films. Acta Materialia, 2018, 160, 57-71.	3.8	17
409	Analytical description of domain morphology and phase diagrams of ferroelectric nanoparticles. Acta Materialia, 2018, 160, 109-120.	3.8	24
410	Inversion Charge Boost and Transient Steep-Slope Induced by Free-Charge-Polarization Mismatch in a Ferroelectric-Metal–Oxide–Semiconductor Capacitor. IEEE Journal on Exploratory Solid-State Computational Devices and Circuits, 2018, 4, 44-49.	1.1	8
411	Basic Properties and Measuring Methods of Nanoparticles. , 2018, , 3-47.		7
412	Direct electrical switching of ferroelectric vortices by a sweeping biased tip. Acta Materialia, 2018, 158, 23-37.	3.8	23
413	Influence of Surface Energy on the Direct Flexoelectric Effect in a Plate. Bulletin of the Russian Academy of Sciences: Physics, 2018, 82, 291-293.	0.1	0
414	Effect of restricted geometry and external pressure on the phase transitions in ammonium hydrogen sulfate confined in a nanoporous glass matrix. Journal of Materials Science, 2018, 53, 12132-12144.	1.7	8
415	Finite-size-effect on a very large length scale in NBT-based lead-free piezoelectrics. Journal of Advanced Dielectrics, 2019, 09, 1950035.	1.5	4

#	Article	IF	CITATIONS
416	Study on the dynamic critical behavior of a ferroelectric heterostructure. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 2963-2968.	0.9	8
417	Inadequacy of the extrapolation-length method for modeling the interface of a ferroelectric–graphene heterostructure. Journal of Applied Physics, 2019, 125, 184103.	1.1	3
418	Effect of molar concentration on structural, magnetic domain and optical properties of BiFeO3 thin films. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	7
419	Time-resolved simulation of the negative capacitance stage emerging at the ferroelectric/semiconductor hetero-junction. AIP Advances, 2019, 9, 025037.	0.6	3
420	Domain-Wall Tunneling Electroresistance Effect. Physical Review Letters, 2019, 123, 266602.	2.9	17
421	Phaseâ€Field Study of Electromechanical Coupling in Leadâ€Free Relaxor/Ferroelectricâ€Layered Composites. Advanced Electronic Materials, 2019, 5, 1800710.	2.6	8
422	On the mechanisms of tip-force induced switching in ferroelectric thin films: the crossover of depolarization, shear strain and flexoelectricity. Journal of Physics Condensed Matter, 2019, 31, 145701.	0.7	14
423	Flexoelectric polarization induced by inhomogeneous heating and implications for energy harvesting. International Journal of Solids and Structures, 2019, 162, 96-104.	1.3	9
424	Modified transverse Ising model for the dielectric properties of SrTiO3 films and interfaces. Journal of Physics Condensed Matter, 2020, 32, 065303.	0.7	3
426	Effect of electrode on dielectric susceptibility and pyroelectric properties of a ferroelectric thin film capacitor using landau-khalatnikov theory. Chinese Journal of Physics, 2020, 68, 461-467.	2.0	0
427	Polarization Screening Mechanisms at La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> –PbTiO <sub>3</sub> Interfaces. ACS Applied Materials & Interfaces, 2020, 12, 10657-10663.	4.0	7
428	The relief shape changing of the crystal Rb <sub>2</sub> ZnCl <sub>4</sub> electrical energy dependence obtained from polarization in vicinity of the domain structure freezing temperature (T*â‰^150 K). Ferroelectrics, 2020, 567, 82-88.	0.3	1
429	Polarization Switching in 2D Nanoscale Ferroelectrics: Computer Simulation and Experimental Data Analysis. Nanomaterials, 2020, 10, 1841.	1.9	6
430	Mechanically induced ferroelectric switching in BaTiO3 thin films. Acta Materialia, 2020, 193, 151-162.	3.8	31
431	Coupling of polarization orientations of the ferroelectric layers in an oxide sandwich structure. Applied Physics Letters, 2020, 116, .	1.5	2
432	Tip-force-induced ultrafast polarization switching in ferroelectric thin film: A dynamical phase field simulation. Journal of Applied Physics, 2020, 128, .	1.1	8
433	Mechanical writing of in-plane ferroelectric vortices by tip-force and their coupled chirality. Journal of Physics Condensed Matter, 2020, 32, 035402.	0.7	3
434	Interface magnetoelectric effect and its sensitivity on interface structures in Fe/AgNbO3 and SrRuO3/AgNbO3 heterostructures: A first-principles investigation. Journal of Magnetism and Magnetic Materials, 2021, 517, 167372.	1.0	2

#	Article	IF	CITATIONS
435	The study of the temporal evolution of the electric energy dependence on polarization in Rb2ZnCl4 crystal in ferroelectric phase near the Curie point. Ferroelectrics, 2021, 574, 123-128.	0.3	1
436	Supraâ€Binary Polarization in a Ferroelectric Nanowire. Advanced Materials, 2021, 33, e2101981.	11.1	4
437	Antiferroelectrics: History, fundamentals, crystal chemistry, crystal structures, size effects, and applications. Journal of the American Ceramic Society, 2021, 104, 3775-3810.	1.9	83
438	Phase field study on the effect of substrate elasticity on tip-force-induced domain switching in ferroelectric thin films. Journal of Applied Physics, 2021, 129, .	1.1	4
439	Unveiling the Origin of Robust Ferroelectricity in Sub-2 nm Hafnium Zirconium Oxide Films. ACS Applied Materials & Interfaces, 2021, 13, 36499-36506.	4.0	24
440	Electric Field Effects Near Critical Points. , 2004, , 113-141.		1
441	Phase Transitions in Thin Films. , 1993, , 163-183.		22
442	Mesoscopic structure of mixed type domain walls in multiaxial ferroelectrics. Physical Review Materials, 2020, 4, .	0.9	3
443	Polar properties and local piezoelectric response of ferroelectric nanotubes. Semiconductor Physics, Quantum Electronics and Optoelectronics, 2008, 11, 370-380.	0.3	1
444	Domain structure formation by using Scanning Probe Microscopy: equilibrium polarization distribution and effective piezoelectric response calculations. Semiconductor Physics, Quantum Electronics and Optoelectronics, 2009, 12, 116-124.	0.3	1
445	Influence of Domain Structure in Ferroelectric Substrate on Graphene Conductance (Authors') Tj ETQq0 0 0 rgBT	/Qverlock	19 Tf 50 34:
446	Electric field and Electric Forces in a Spontaneously Polarized Nonpolar Isotropic Dielectric. Ukrainian Journal of Physics, 2019, 64, 509.	0.1	2
447	Properties of Phase Transformation of Ferroelectric Thin Films with Surface Layers. Journal of Modern Physics, 2011, 02, 1037-1040.	0.3	5
448	Ferroelectricity in Layered Perovskites as a Model of Ultra-Thin Films. World Journal of Condensed Matter Physics, 2016, 06, 224-243.	1.1	10
449	In Situ Cryogenic HAADF-STEM Observation of Spontaneous Transition of Ferroelectric Polarization Domain Structures at Low Temperatures. Nano Letters, 2021, 21, 8679-8686.	4.5	5
450	The influence of depolarization field on dielectric and pyroelectric properties of ferroelectric films. Semiconductor Physics, Quantum Electronics and Optoelectronics, 2002, 5, 142-151.	0.3	0
451	10.1007/s11451-008-3013-9. , 2010, 50, 472.		0

452	Coupled Waves in Two-Phase Periodic Planar Multilayers. Acta Physica Polonica A, 2011, 120, 647-650.	0.2	4
-----	--	-----	---

#	Article	IF	Citations
454	The Structure of a 180-Degree Domain Wall near the Surface of Ferroics. Ukrainian Journal of Physics, 2015, 60, 627-633.	0.1	0
455	Multiferroic Nanostructures. Nanostructure Science and Technology, 2017, , 165-192.	0.1	0
456	The Research of the Repolarization Process in Solid Solutions (Rb1–ÂxKx)2ZnCl4 by the Harmonic Analysis Method. Bulletin of the Russian Academy of Sciences: Physics, 2019, 83, 1533-1538.	0.1	0
457	Effect of Surface Ionic Screening on Polarization Reversal and Phase Diagrams in Thin Antiferroelectric Films for Information and Energy Storage. Physical Review Applied, 2021, 16, .	1.5	9
458	Properties of ferroelectric ultrathin films from first principles. , 2006, , 137-145.		3
459	Temporal Evolution of the Electrical Energy of Rb2ZnCl4 Crystal as a Function of Polarization in the Ferroelectric Phase near the Curie Temperature. Bulletin of the Russian Academy of Sciences: Physics, 2020, 84, 1071-1074.	0.1	0
460	Electrocaloric properties and critical behavior of a ferroelectric thin film. Physica A: Statistical Mechanics and Its Applications, 2021, 589, 126633.	1.2	0
461	Whither Steady-State Negative Capacitance of a Ferroelectric Film?. SSRN Electronic Journal, 0, , .	0.4	0
462	Path-dependent Vortex Switching in Ferroelectric Nanoplate Junctions Toward a Memory Device Concept. Frontiers in Physics, 2022, 9, .	1.0	2
463	Control of the chirality of a vortex in a ferroelectric nanodot by uniform electric fields mediated by inhomogeneous surface screening. AlP Advances, 2022, 12, 015001.	0.6	2
464	Mechanism for switchability in electron-doped ferroelectric interfaces. Physical Review B, 2022, 105, .	1.1	3
465	Frequency dependence of the properties of a ferroelectric heterostructure. Chinese Journal of Physics, 2022, 77, 134-142.	2.0	2
467	Observability of negative capacitance of a ferroelectric film: Theoretical predictions. Physical Review B, 2022, 105, .	1.1	2
468	The study of the temporal evolution of the coefficient c in the Rb <sub>2</sub> ZnCl <sub>4</sub> crystal energy decomposition on polarization according to the Landau-Ginzburg-Devonshire theory. Ferroelectrics, 2022, 590, 49-55.	0.3	0
469	Theory of polar domains in moir $ ilde{A}$ ${f \mathbb O}$ heterostructures. Physical Review B, 2022, 105, .	1.1	7
470	All-dielectric magneto-photonic metasurfaces. Journal of Applied Physics, 2022, 132, .	1.1	18
471	Influence of depolarization field on temperature-misfit strain phase diagram of PbZr <sub>0.4</sub> Ti <sub>0.6</sub> O <sub>3</sub> ultrathin films. Applied Physics Letters, 2022, 121, 102904.	1.5	0
472	Coupling between tilts and charge carriers at polar-nonpolar perovskite interfaces. Physical Review B, 2022, 106, .	1.1	0

		CITATION REPORT		
#	Article	IF	CITATIONS	
473	Electric torsion effect in a ferroelectric nanodot. Applied Physics Letters, 2022, 121, 232903.	1.5	0	
474	Phase-Field Modeling of Ferroic Domains in Strained Structures. , 2023, , 6-1-6-28.		1	
475	Prominent Size Effects without a Depolarization Field Observed in Ultrathin Ferroelectric Oxide Membranes. Physical Review Letters, 2023, 130, .	2.9	11	
476	Size Limiting Elemental Ferroelectricity in Bi Nanoribbons: Observation, Mechanism, and Opportun Journal of Physical Chemistry Letters, 2023, 14, 3160-3167.	ty. 2.1	6	
477	Force between magnetic nanoplates with dipolar interactions. Nano Express, 0, , .	1.2	0	