

James F Scott

List of Publications by Year in descending order

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259
papers

33,480
citations

19657

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180
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279
all docs

279
docs citations

279
times ranked

17880
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural phase transitions in the geometric ferroelectric LaTaO_4 . Physical Review B, 2021, 103, .	3.2	2
2	Room-temperature large magnetoelectricity in a transition metal doped ferroelectric perovskite. Physical Review B, 2021, 104, .	3.2	8
3	Incommensurate-Commensurate Transition in the Geometric Ferroelectric LaTaO_4 . Advanced Functional Materials, 2020, 30, 2004667.	14.9	2
4	Ferroelectric domain wall memory with embedded selector realized in LiNbO_3 single crystals integrated on Si wafers. Nature Materials, 2020, 19, 1188-1194.	27.5	92
5	Non-Ohmic Variable-Range Hopping and Resistive Switching in SrTiO_3 Domain Walls. Physical Review Letters, 2020, 124, 146601.	7.8	11
6	Electrical studies of Barkhausen switching noise in ferroelectric lead zirconate titanate (PZT) and BaTiO_3 : critical exponents and temperature-dependence. Journal of Physics Condensed Matter, 2020, 32, 055403.	1.8	7
7	Nanodomain patterns in ultra-tetragonal lead titanate (PbTiO_3). Applied Physics Letters, 2020, 116, .	3.3	11
8	Tin titanate—the hunt for a new ferroelectric perovskite. Reports on Progress in Physics, 2019, 82, 092501.	20.1	15
9	Non-Polar and Complementary Resistive Switching Characteristics in Graphene Oxide devices with Gold Nanoparticles: Diverse Approach for Device Fabrication. Scientific Reports, 2019, 9, 15103.	3.3	28
10	Dead layer thickness estimation at the ferroelectric film-metal interface in PZT. Applied Physics Letters, 2019, 114, .	3.3	12
11	Studies of Multiferroic Palladium Perovskites. Scientific Reports, 2019, 9, 1685.	3.3	8
12	Origin of ferroelectricity in orthorhombic LuFeO_3 . Physical Review B, 2019, 100, .	3.2	14
13	Structural transformations and physical properties of $(1-x)\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3$ solid solutions near a morphotropic phase boundary. Journal of Physics Condensed Matter, 2019, 31, 075401.	4.5	45
14	Ferroelectric switching and scale invariant avalanches in BaTiO_3 . Physical Review Materials, 2019, 3, .	2.4	52
15	Electrical studies of Barkhausen switching noise in ferroelectric PZT: Critical exponents and temperature dependence. Physical Review Materials, 2019, 3, .	2.4	21
16	Room-temperature relaxor ferroelectricity and photovoltaic effects in tin titanate directly deposited on a silicon substrate. Physical Review B, 2018, 97, .	3.2	28
17	Ferroelectrics, multiferroics and artifacts: Lozenge-shaped hysteresis and things that go bump in the night. Materials Today, 2018, 21, 553-562.	14.2	31
18	Temporary formation of highly conducting domain walls for non-destructive read-out of ferroelectric domain-wall resistance switching memories. Nature Materials, 2018, 17, 49-56.	27.5	188

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19	Processing and characterization of improved congruent lithium niobate. AIP Advances, 2018, 8, .	1.3	4
20	Ferroelectric Relaxor Quantum Crystals. Crystals, 2018, 8, 180.	2.2	4
21	Hierarchical Domain Structure and Extremely Large Wall Current in Epitaxial BiFeO ₃ Thin Films. Advanced Functional Materials, 2018, 28, 1801725.	14.9	41
22	Giant polarization in super-tetragonal thin films through interphase strain. Science, 2018, 361, 494-497.	12.6	173
23	Quantum critical points in ferroelectric relaxors: Stuffed tungsten bronze K ₃ Li ₂ Ta ₅ O ₁₅ and lead pyrochlore (Pb ₂ Nb ₂ O ₇). Physical Review Materials, 2018, 2, .	2.4	1
24	Experimental evidence of electronic polarization in a family of photo-ferroelectrics. RSC Advances, 2017, 7, 12842-12855.	3.6	39
25	Stability of Polar Vortex Lattice in Ferroelectric Superlattices. Nano Letters, 2017, 17, 2246-2252.	9.1	131
26	Effect of off-center ion substitution in morphotropic lead zirconate titanate composition. Journal of Applied Physics, 2017, 121, 194102.	2.5	8
27	Ferroelectric Switching: Ultrafast Switching in Avalanche-Driven Ferroelectrics by Supersonic Kink Movements (Adv. Funct. Mater. 21/2017). Advanced Functional Materials, 2017, 27, .	14.9	0
28	Ultrafast Switching in Avalanche-Driven Ferroelectrics by Supersonic Kink Movements. Advanced Functional Materials, 2017, 27, 1700367.	14.9	32
29	Evidence of strong magneto-dielectric coupling and enhanced electrical insulation at room temperature in Nd and Mn co-doped bismuth ferrite. Journal of Applied Physics, 2017, 122, .	2.5	22
30	Ferrielectricity in the metal-organic ferroelectric tris-sarcosine calcium chloride. Physical Review B, 2017, 95, .	3.2	9
31	Lead palladium titanate: A room-temperature multiferroic. Physical Review B, 2017, 96, .	3.2	17
32	Quantum percolation phase transition and magnetoelectric dipole glass in hexagonal ferrites. Physical Review B, 2017, 96, .	3.2	11
33	Superdomain dynamics in ferroelectric-ferroelastic films: Switching, jamming, and relaxation. Applied Physics Reviews, 2017, 4, 041104.	11.3	28
34	Nonequilibrium ferroelectric-ferroelastic 10 ² -nm nanodomains: wrinkles, period-doubling, and power-law relaxation. Journal of Physics Condensed Matter, 2017, 29, 304001.	1.8	5
35	Palladium-based ferroelectrics and multiferroics: Theory and experiment. Physical Review B, 2017, 95, .	3.2	23
36	Correlation of dielectric, electrical and magnetic properties near the magnetic phase transition temperature of cobalt zinc ferrite. Physical Chemistry Chemical Physics, 2017, 19, 210-218.	2.8	96

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37	Elastic and anelastic relaxation behaviour of perovskite multiferroics II: PbZr _{0.53} Ti _{0.47} O ₃ (PZT)â€PbFe _{0.5} Ta _{0.5} O ₃ (PFT). Journal of Materials Science, 2017, 52, 285-304.	3.7	11
38	Implementing Roomâ€Temperature Multiferroism by Exploiting Hexagonalâ€Orthorhombic Morphotropic Phase Coexistence in LuFeO ₃ Thin Films. Advanced Materials, 2016, 28, 7430-7435.	21.0	31
39	Towards multicaloric effect with ferroelectrics. Physical Review B, 2016, 94, .	3.2	33
40	Direct and indirect measurements on electrocaloric effect: Recent developments and perspectives. Applied Physics Reviews, 2016, 3, 031102.	11.3	206
41	Si:SrTiO ₃ -Al ₂ O ₃ -Si:SrTiO ₃ multi-dielectric architecture for metal-insulator-metal capacitor applications. Applied Physics Letters, 2016, 109, 212901.	3.3	7
42	Some strategies for improving caloric responses with ferroelectrics. APL Materials, 2016, 4, 064109.	5.1	57
43	Hydrodynamics of domain walls in ferroelectrics and multiferroics: Impact on memory devices. Applied Physics Letters, 2016, 109, .	3.3	8
44	A review of ferroelectric switching. Ferroelectrics, 2016, 503, 117-132.	0.6	24
45	Local Electrical Imaging of Tetragonal Domains and Field-Induced Ferroelectric Twin Walls in Conducting SrTiO_3 Physical Review Letters, 2016, 116, 257601.	7.8	43
46	Enhanced tunneling electroresistance in Pt/PZT/LSMO ferroelectric tunnel junctions in presence of magnetic field. Integrated Ferroelectrics, 2016, 174, 174-185.	0.7	6
47	Observation of polar vortices in oxide superlattices. Nature, 2016, 530, 198-201.	27.8	682
48	Absence of critical exponents in ferroelectrics: experiments of Hilczer and theory of Levanyuk and Sigov. Phase Transitions, 2016, 89, 645-650.	1.3	2
49	Ferroelectric polarization switching with a remarkably high activation energy in orthorhombic GaFeO ₃ thin films. NPG Asia Materials, 2016, 8, e242-e242.	7.9	72
50	Studies of Phase Transitions and Magnetoelectric Coupling in PFN-CZFO Multiferroic Composites. Journal of Physical Chemistry C, 2016, 120, 1936-1944.	3.1	71
51	Antiferroelectric Thin Films: Giant Negative Electrocaloric Effect in Antiferroelectric La-Doped Pb(ZrTi)O ₃ Thin Films Near Room Temperature (Adv. Mater. 20/2015). Advanced Materials, 2015, 27, 3164-3164.	21.0	3
52	Searching for new ferroelectrics and multiferroics: A userâ€™s point of view. Npj Computational Materials, 2015, 1, .	8.7	18
53	Folding catastrophes due to viscosity in multiferroic domains: implications for room-temperature multiferroic switching. Journal of Physics Condensed Matter, 2015, 27, 492001.	1.8	5
54	Giant Dielectric Permittivity in Ferroelectric Thin Films: Domain Wall Ping Pong. Scientific Reports, 2015, 5, 14618.	3.3	10

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55	Effect of thickness on dielectric, ferroelectric, and optical properties of Ni substituted Pb(Zr _{0.2} Ti _{0.8})O ₃ thin films. Journal of Applied Physics, 2015, 118, .	2.5	30
56	Electron-beam driven relaxation oscillations in ferroelectric nanodisks. Applied Physics Letters, 2015, 107, .	3.3	9
57	Disorder driven structural and dielectric properties of silicon substituted strontium titanate. Journal of Applied Physics, 2015, 118, .	2.5	5
58	Unipolar resistive switching in planar Pt/BiFeO ₃ /Pt structure. AIP Advances, 2015, 5, .	1.3	25
59	Holmium hafnate: An emerging electronic device material. Applied Physics Letters, 2015, 106, .	3.3	8
60	Phase transition and enhanced magneto-dielectric response in BiFeO ₃ -DyMnO ₃ multiferroics. Journal of Applied Physics, 2015, 117, .	2.5	45
61	Quantum criticality in a uniaxial organic ferroelectric. Journal of Physics Condensed Matter, 2015, 27, 395901.	1.8	22
62	Influence of epitaxial strain on elastocaloric effect in ferroelectric thin films. Applied Physics Letters, 2015, 106, .	3.3	17
63	Elastic and magnetoelastic relaxation behaviour of multiferroic (ferromagnetic + ferroelectric +) Tj ETQq1 1 0.784314 rgBT /Overlock Condensed Matter, 2015, 27, 285901.	1.8	22
64	Dielectric anomalies due to grain boundary conduction in chemically substituted BiFeO ₃ . Journal of Applied Physics, 2015, 117, .	2.5	78
65	Giant Negative Electrocaloric Effect in Antiferroelectric La-doped Pb(ZrTi)O ₃ Thin Films Near Room Temperature. Advanced Materials, 2015, 27, 3165-3169.	21.0	241
66	Some current problems in perovskite nano-ferroelectrics and multiferroics: kinetically-limited systems of finite lateral size. Science and Technology of Advanced Materials, 2015, 16, 036001.	6.1	16
67	Anomalous change in leakage and displacement currents after electrical poling on lead-free ferroelectric ceramics. Applied Physics Letters, 2015, 107, .	3.3	39
68	The Nature of Magnetoelectric Coupling in Pb(Zr,Ti)O ₃ -Pb(Fe,Ta)O ₃ . Advanced Materials, 2015, 27, 6068-6073.	21.0	58
69	Contribution to Pyroelectricity from Domain Walls and Substrate Strain. Ferroelectrics, 2014, 472, 19-28.	0.6	2
70	Lanthanum Gadolinium Oxide: A New Electronic Device Material for CMOS Logic and Memory Devices. Materials, 2014, 7, 2669-2696.	2.9	15
71	High-Symmetry Polarization Domains in Low-Symmetry Ferroelectrics. Nano Letters, 2014, 14, 6931-6935.	9.1	24
72	Ferroelectric and photovoltaic properties of transition metal doped Pb(Zr _{0.14} Ti _{0.56} Ni _{0.30})O ₃ thin films. AIP Advances, 2014, 4, .	1.3	27

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73	Properties of the new electronic device material LaGdO ₃ (Phys. Status Solidi B 1/2014). Physica Status Solidi (B): Basic Research, 2014, 251, n/a-n/a.	1.5	0
74	Faceting oscillations in nano-ferroelectrics. Applied Physics Letters, 2014, 105, .	3.3	9
75	There's no place like Ohm: conduction in oxide thin films. Journal of Physics Condensed Matter, 2014, 26, 142202.	1.8	20
76	Properties of the new electronic device material LaGdO ₃ . Physica Status Solidi (B): Basic Research, 2014, 251, 131-139.	1.5	13
77	Cylinder stress in nanostructures: effect on domains in nanowires, nanotubes, and nano-disks. Journal of Physics Condensed Matter, 2014, 26, 212202.	1.8	11
78	Charge control of antiferromagnetism at PbZr _{0.52} Ti _{0.48} O ₃ /La _{0.67} Sr _{0.33} MnO ₃ interface. Applied Physics Letters, 2014, 104, .	3.3	26
79	Giant Room-Temperature Elastocaloric Effect in Ferroelectric Ultrathin Films. Advanced Materials, 2014, 26, 6132-6137.	21.0	86
80	Nano-Domain Pinning in Ferroelastic Ferroelectrics by Extended Structural Defects. Advanced Functional Materials, 2014, 24, 5567-5574.	14.9	15
81	Exploring Vertex Interactions in Ferroelectric Flux-Closure Domains. Nano Letters, 2014, 14, 4230-4237.	9.1	38
82	Polarization vortex domains induced by switching electric field in ferroelectric films with circular electrodes. Physical Review B, 2014, 90, .	3.2	20
83	Phase Transitions in the Brominated Ferroelectric Trisarcosine Calcium Chloride. Advanced Materials, 2014, 26, 3860-3866.	21.0	11
84	Domain Walls: Ferroelectric Domain Wall Injection (Adv. Mater. 2/2014). Advanced Materials, 2014, 26, 348-348.	21.0	0
85	Compositional engineering of BaTiO ₃ /(Ba,Sr)TiO ₃ ferroelectric superlattices. Journal of Applied Physics, 2013, 114, .	2.5	37
86	Manipulating Ferroelectric Domains in Nanostructures Under Electron Beams. Physical Review Letters, 2013, 111, 165702.	7.8	42
87	Flexoelectric spectroscopy. Journal of Physics Condensed Matter, 2013, 25, 331001.	1.8	12
88	Domains within Domains and Walls within Walls: Evidence for Polar Domains in Cryogenic SrTiO_3 . Physical Review Letters, 2013, 111, 247603.	7.8	145
89	Structure, dielectric, ferroelectric, and energy density properties of (1-x)BZT-xBCT ceramic capacitors for energy storage applications. Journal of Materials Science, 2013, 48, 2151-2157.	3.7	175
90	Magnetic switching of ferroelectric domains at room temperature in multiferroic PZTFT. Nature Communications, 2013, 4, 1534.	12.8	147

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91	Room-temperature single phase multiferroic magnetoelectrics: $\text{Pb}(\text{Fe}, \text{M})_x(\text{Zr}, \text{Ti})(1-x)\text{O}_3$ [$\text{M} = \text{Ta}, \text{Nb}$]. Journal of Applied Physics, 2013, 113, .	2.5	105
92	Self-Similar Nested Flux Closure Structures in a Tetragonal Ferroelectric. Nano Letters, 2013, 13, 2553-2557.	9.1	44
93	The perfect soft mode: giant phonon instability in a ferroelectric. Journal of Physics Condensed Matter, 2013, 25, 212201.	1.8	9
94	Photoluminescence and time-resolved spectroscopy in multiferroic BiFeO_3 : Effects of electric fields and sample aging. Applied Physics Letters, 2013, 102, 222901.	3.3	35
95	Room-temperature multiferroic magnetoelectrics. NPG Asia Materials, 2013, 5, e72-e72.	7.9	238
96	Room temperature multiferroic properties of $\text{Pb}(\text{Fe}_{0.5}\text{Nb}_{0.5})\text{O}_3/\text{Co}_{0.65}\text{Zn}_{0.35}\text{Fe}_2\text{O}_4$ composites. Journal of Applied Physics, 2013, 114, .	2.5	52
97	Unipolar Resistive Switching and Associated Photoresponse in Sm doped BiFeO_3 Thin Film Grown by RF Sputtering. Materials Research Society Symposia Proceedings, 2013, 1577, m1.	0.1	2
98	Analysis of Leakage Currents through PLD Grown Ultrathin α - LaGdO_3 Based High-k Metal Gate Devices. Materials Research Society Symposia Proceedings, 2013, 1561, 1.	0.1	0
99	Prospects for Ferroelectrics: 2012-2022. ISRN Materials Science, 2013, 2013, 1-24.	1.0	28
100	90-degree polarization switching in BaTiO_3 crystals without domain wall motion. Applied Physics Letters, 2013, 103, .	3.3	13
101	Advanced high-k dielectric amorphous LaGdO_3 based high density metal-insulator-metal capacitors with sub-nanometer capacitance equivalent thickness. Applied Physics Letters, 2013, 102, .	3.3	12
102	Advanced high-k gate dielectric amorphous LaGdO_3 gated metal-oxide-semiconductor devices with sub-nanometer equivalent oxide thickness. Applied Physics Letters, 2013, 102, .	3.3	13
103	Thickness dependent functional properties of $\text{PbZr}_{0.52}\text{Ti}_{0.48}\text{O}_3/\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ heterostructures. Journal of Applied Physics, 2013, 114, .	2.5	34
104	Ferroelectric and Dielectric Properties of $\text{BaTiO}_3/\text{Ba}_{0.30}\text{Sr}_{0.70}\text{TiO}_3$ Superlattices. Integrated Ferroelectrics, 2012, 134, 139-145.	0.7	3
105	Lee et al. Reply. Physical Review Letters, 2012, 108, .	7.8	38
106	Comparison of the Electrical Properties of ZnO Thin Films on Different Substrates by Pulsed Laser Deposition. Integrated Ferroelectrics, 2012, 133, 9-14.	0.7	4
107	Effect of electrode resistance on dielectric and transport properties of multiferroic superlattice: A Impedance spectroscopy study. AIP Advances, 2012, 2, .	1.3	51
108	Nucleation, growth, and control of ferroelectric-ferroelastic domains in thin polycrystalline films. Physical Review B, 2012, 86, .	3.2	35

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109	Magnon Raman spectroscopy and in-plane dielectric response in BiFeO ₃ : Relation to the Polomska transition. <i>Physical Review B</i> , 2012, 85.	3.2	31
110	Magnetism in multiferroic Pb ₅ CrF ₃ . <i>Physical Review B</i> , 2012, 85.	3.2	7
111	Prominent electrochromism through vacancy-order melting in a complex oxide. <i>Nature Communications</i> , 2012, 3, 799.	12.8	85
112	Domain Wall Damping and Elastic Softening in SrTiO ₃ : Evidence for Polar Twin Walls. <i>Physical Review Letters</i> , 2012, 109, 187601.	7.8	118
113	Room temperature novel multiferroic single phase materials: (PbFe _{0.5} Ta _{0.5} O ₃) _x -(PbZr _{0.53} Ti _{0.47} O ₃) _{1-x} . <i>Journal of Materials Chemistry</i> , 2012, , .	1.8	28
114	In-plane dielectric and magnetoelectric studies of BiFeO ₃ . <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012, 209, 1207-1212.	1.8	28
115	Applications of magnetoelectrics. <i>Journal of Materials Chemistry</i> , 2012, 22, 4567.	6.7	308
116	Surface phase transitions in BiFeO ₃ below room temperature. <i>Physical Review B</i> , 2012, 85, .	3.2	70
117	Subpicosecond Domain Switching in Discrete Regions of Pb(Zr _{0.35} Ti _{0.65})O ₃ Thick Films. <i>Advanced Functional Materials</i> , 2012, 22, 2148-2153.	14.9	12
118	Domain wall nanoelectronics. <i>Reviews of Modern Physics</i> , 2012, 84, 119-156.	45.6	1,018
119	Subpicosecond Processes of Ferroelectric Domain Switching from Field and Temperature Experiments. <i>Advanced Functional Materials</i> , 2012, 22, 192-199.	14.9	59
120	Biferroic relaxors. <i>Applied Physics Letters</i> , 2011, 99, 042907.	3.3	10
121	Phonon anomalies and phonon-spin coupling in oriented PbFe _{0.5} Nb _{0.5} O ₃ . <i>Physical Review B</i> , 2011, 84, 114107.	3.2	54
122	Addendum to "Multiferroic fluorides". <i>Journal of Physics Condensed Matter</i> , 2011, 23, 299401.	1.8	5
123	Effect of periodicity and composition in artificial BaTiO ₃ /(Ba,Sr)TiO ₃ . <i>Physical Review B</i> , 2011, 84, 114107.	1.8	5
124	Symmetries and multiferroic properties of novel room-temperature magnetoelectrics: Lead iron tantalate lead zirconate titanate (PFT/PZT). <i>AIP Advances</i> , 2011, 1, .	1.3	110
125	Spin-Canting-induced Improper Ferroelectricity and Spontaneous Magnetization Reversal in SmFeO ₃ . <i>Physical Review Letters</i> , 2011, 107, 117201.	7.8	343
126	Magnetic control of ferroelectric interfaces. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 202203.	1.8	14

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127	Self-Assembled Highly Uniform ZnO Submicrometer Rods on Metal Grid Grown by Vapor-Liquid-Solid Method. <i>Crystal Growth and Design</i> , 2011, 11, 3642-3647.	3.0	14
128	Multiferroic magnetoelectric fluorides: why are there so many magnetic ferroelectrics?. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 113202.	1.8	89
129	Electrocaloric Materials. <i>Annual Review of Materials Research</i> , 2011, 41, 229-240.	9.3	476
130	Overview on the Resistive Switching in TiO ₂ Solid Electrolyte. <i>Integrated Ferroelectrics</i> , 2011, 124, 87-96.	0.7	5
131	Critical exponents for isosymmetric phase transitions in BiFeO ₃ . <i>Journal of Physics Condensed Matter</i> , 2011, 23, 022202.	1.8	6
132	Electric control of magnon frequencies and magnetic moment of bismuth ferrite thin films at room temperature. <i>Applied Physics Letters</i> , 2011, 99, 062504.	3.3	39
133	Domains Beyond Grain Boundaries: Domains Beyond the Grain Boundary (<i>Adv. Funct. Mater.</i> 10/2011). <i>Advanced Functional Materials</i> , 2011, 21, 1746-1746.	14.9	1
134	Shape-induced phase transition of domain patterns in ferroelectric platelets. <i>Physical Review B</i> , 2011, 84, .	3.2	44
135	Phase diagram and phase transitions in ferroelectric tris-sarcosine calcium chloride and its brominated isomorphs. <i>Physical Review B</i> , 2011, 83, .	3.2	11
136	Photovoltaic effect in a wide-area semiconductor-ferroelectric device. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	28
137	Elastic and Anelastic Properties of Ferroelectric SrTiO_3 in the kHz-MHz Regime. <i>Physical Review Letters</i> , 2011, 106, 105502.	3.2	39
138	Investigation on Room Temperature Multiferroic Bi-Relaxor. <i>Integrated Ferroelectrics</i> , 2011, 131, 110-118.	0.7	7
139	Landau theory of domain wall magnetoelectricity. <i>Physical Review B</i> , 2010, 81, .	3.2	131
140	Nanoscale ordering and multiferroic behavior in PbTiO_3 . <i>Physical Review B</i> , 2010, 82, .	3.2	39
141	Leading the Way to Lead-Free. <i>ChemPhysChem</i> , 2010, 11, 341-343.	2.1	16
142	The P^2to^3 Transition in BiFeO ₃ : A Powder Neutron Diffraction Study. <i>Advanced Functional Materials</i> , 2010, 20, 2116-2123.	14.9	90
143	Isosymmetric Structural Phase Transitions in BiFeO ₃ . <i>Advanced Materials</i> , 2010, 22, 2106-2107.	21.0	52
144	Switching of Ferroelectrics Without Domains. <i>Advanced Materials</i> , 2010, 22, 5315-5317.	21.0	28

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145	Magnetic properties of multiferroic K3Cr2Fe3F15. Journal of Applied Physics, 2010, 107, .	2.5	17
146	Near-room temperature relaxor multiferroic. Applied Physics Letters, 2010, 97, .	3.3	42
147	Fabrication and characterization of the multiferroic birelaxor lead-iron-tungstate/lead-zirconate-titanate. Journal of Applied Physics, 2010, 108, .	2.5	32
148	Flux Closure Vortexlike Domain Structures in Ferroelectric Thin Films. Physical Review Letters, 2010, 104, 207602.	7.8	116
149	Room temperature multiferroic effects in superlattice nanocapacitors. Applied Physics Letters, 2010, 97, 252902.	3.3	34
150	Tribute to Dr. George W. Taylor for his Vision and Leadership. Ferroelectrics, 2010, 400, xxvii-xxviii.	0.6	0
151	In-plane strain control of the magnetic remanence and cation-charge redistribution in CoFe2O4 thin film grown on a piezoelectric substrate. Physical Review B, 2010, 81, .	3.2	47
152	New cryogenic phase transitions in SrSnO ₃ . Journal of Physics Condensed Matter, 2010, 22, 095901.	1.8	26
153	Study of physical properties of integrated ferroelectric/ferromagnetic heterostructures. Journal of Applied Physics, 2010, 107, .	2.5	21
154	Phonon spectroscopy near phase transition temperatures in multiferroic BiFeO ₃ thin films. Physical Review B, 2010, 81, .	3.2	34
155	Raman spectroscopy of single-domain multiferroic BiFeO ₃ . Physical Review B, 2010, 81, .	3.2	88
156	Magnetic effects on dielectric and polarization behavior of multiferroic heterostructures. Applied Physics Letters, 2010, 96, 072904.	3.3	51
157	Softening behavior of the ferroelectric A ₁ near the Curie temperature. Physical Review B, 2009, 80, .	3.2	11
158	Electron paramagnetic resonance and Mössbauer study of antiferromagnetic K3Cu3Fe2F15. Journal of Applied Physics, 2009, 106, 023924.	2.5	13
159	Observation of spin-glass-like behavior in SrRuO ₃ thin films. Physical Review B, 2009, 79, .	3.2	64
160	Positive temperature coefficient of resistivity and negative differential resistivity in lead iron tungstate-lead zirconate titanate. Applied Physics Letters, 2009, 94, 212903.	3.3	16
161	Investigation of the electrocaloric effect in a PbMg _{2/3} Nb _{1/3} O ₃ -PbTiO ₃ relaxor thin film. Applied Physics Letters, 2009, 95, .	3.3	194
162	Polarization switching characteristics of BiFeO ₃ thin films epitaxially grown on Pt/MgO at a low temperature. Applied Physics Letters, 2009, 95, 242902.	3.3	30

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163	Mesoscopic model of a system possessing both relaxor ferroelectric and relaxor ferromagnetic properties. <i>Physical Review B</i> , 2009, 79, .	3.2	61
164	Magnetic control of large room-temperature polarization. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 382204.	1.8	77
165	Domains in Ferroelectric Nanodots. <i>Nano Letters</i> , 2009, 9, 3359-3364.	9.1	170
166	Spinglass transition in single crystal multiferroic thin films. <i>Physical Review Letters</i> , 2009, 102, 177701.	3.2	60
167	Multiferroic $\text{Pb}(\text{Fe}_{0.66}\text{W}_{0.33})_{0.80}\text{Ti}_{0.20}\text{O}_3$ thin films: A room-temperature relaxor ferroelectric and weak ferromagnetic. <i>Applied Physics Letters</i> , 2008, 92, .	3.2	270
168	Multiferroic $\text{Pb}(\text{Fe}_{0.66}\text{W}_{0.33})_{0.80}\text{Ti}_{0.20}\text{O}_3$ thin films: A room-temperature relaxor ferroelectric and weak ferromagnetic. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	81
169	Landau Theory of Ferroelectric Domain Walls in Magnetoelectrics. <i>Ferroelectrics</i> , 2008, 375, 122-131.	0.6	51
170	Ferroelectrics go bananas. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 021001.	1.8	417
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172	New phase transitions in ceramic SrSnO_3 : Raman scattering analysis and differential thermal analysis. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 055210.	1.8	20
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