

James F Scott

List of Publications by Year in descending order

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259
papers

33,480
citations

19608

61
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3638

180
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279
all docs

279
docs citations

279
times ranked

17880
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiferroic and magnetoelectric materials. Nature, 2006, 442, 759-765.	13.7	7,032
2	Ferroelectric Memories. Science, 1989, 246, 1400-1405.	6.0	3,585
3	Applications of Modern Ferroelectrics. Science, 2007, 315, 954-959.	6.0	2,608
4	Physics of thin-film ferroelectric oxides. Reviews of Modern Physics, 2005, 77, 1083-1130.	16.4	1,932
5	Giant Electrocaloric Effect in Thin-Film PbZr _{0.95} Ti _{0.05} O ₃ . Science, 2006, 311, 1270-1271.	6.0	1,424
6	Ferroelectric Memories. Springer Series in Advanced Microelectronics, 2000, , .	0.3	1,264
7	The Physics of Ferroelectric Memories. Physics Today, 1998, 51, 22-27.	0.3	1,147
8	Domain wall nanoelectronics. Reviews of Modern Physics, 2012, 84, 119-156.	16.4	1,018
9	Observation of polar vortices in oxide superlattices. Nature, 2016, 530, 198-201.	13.7	682
10	Observation of a phase transition in multiferroic thin films. Nature, 2007, 445, 182-185.	13.7	604
11	Electrocaloric Materials. Annual Review of Materials Research, 2011, 41, 229-240.	4.3	476
12	Switching kinetics of lead zirconate titanate submicron thin film memories. Journal of Applied Physics, 1988, 64, 787-792.	1.1	423
13	Ferroelectrics go bananas. Journal of Physics Condensed Matter, 2008, 20, 021001.	0.7	417
14	Spin-Canting-Induced Improper Ferroelectricity and Spontaneous Magnetization Reversal in SmFeO ₃ . Physical Review Letters, 2011, 107, 117201.	2.9	343
15	Applications of magnetoelectrics. Journal of Materials Chemistry, 2012, 22, 4567.	6.7	308
16	Spin-glass transition in single-crystal BiFeO ₃ . Physical Review B, 2008, 77, 020407.	1.1	270
17	Fractal Dimension and Size Scaling of Domains in Thin Films of Multiferroic BiFeO ₃ . Physical Review Letters, 2008, 100, 027602.	2.9	270
18	Giant Negative Electrocaloric Effect in Antiferroelectric La-Doped Pb(ZrTi)O ₃ Thin Films Near Room Temperature. Advanced Materials, 2015, 27, 3165-3169.	11.1	241

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19	Room-temperature multiferroic magnetoelectrics. NPG Asia Materials, 2013, 5, e72-e72.	3.8	238
20	Ferroelectric memories. Ferroelectrics, 1990, 104, 241-256.	0.3	229
21	Direct and indirect measurements on electrocaloric effect: Recent developments and perspectives. Applied Physics Reviews, 2016, 3, 031102.	5.5	206
22	Radiation effects on ferroelectric thin-film memories: Retention failure mechanisms. Journal of Applied Physics, 1989, 66, 1444-1453.	1.1	202
23	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, .	1.5	194
24	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.	13.3	188
25	Influence of mechanical boundary conditions on the electrocaloric properties of ferroelectric thin films. Journal of Applied Physics, 2008, 103, .	1.1	185
26	Structure, dielectric, ferroelectric, and energy density properties of (1-x)BiZr ₂ Ti ₃ O ₁₂ ceramic capacitors for energy storage applications. Journal of Materials Science, 2013, 48, 2151-2157.	1.7	175
27	Polarization relaxation kinetics and 180° domain wall dynamics in ferroelectric thin films. Physical Review B, 2001, 65, .	1.1	174
28	Giant polarization in super-tetragonal thin films through interphase strain. Science, 2018, 361, 494-497.	6.0	173
29	Domains in Ferroelectric Nanodots. Nano Letters, 2009, 9, 3359-3364.	4.5	170
30	Vortex ferroelectric domains. Journal of Physics Condensed Matter, 2008, 20, 342201.	0.7	155
31	Orientation dependence of ferroelectric properties of pulsed-laser-ablated Bi _{4-x} Nd _x Ti ₃ O ₁₂ films. Applied Physics Letters, 2003, 83, 2414-2416.	1.5	154
32	Magnetic switching of ferroelectric domains at room temperature in multiferroic PZTFT. Nature Communications, 2013, 4, 1534.	5.8	147
33	Domains within Domains and Walls within Walls: Evidence for Polar Domains in Cryogenic SrTiO ₃ . Physical Review Letters, 2013, 111, 247603.	2.9	145
34	Landau theory of domain wall magnetoelectricity. Physical Review B, 2010, 81, .	1.1	131
35	Stability of Polar Vortex Lattice in Ferroelectric Superlattices. Nano Letters, 2017, 17, 2246-2252.	4.5	131
36	Domain Wall Damping and Elastic Softening in SrTiO ₃ : Evidence for Polar Twin Walls. Physical Review Letters, 2012, 109, 187601.	2.9	118

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37	Flux Closure Vortexlike Domain Structures in Ferroelectric Thin Films. <i>Physical Review Letters</i> , 2010, 104, 207602.	2.9	116
38	Symmetries and multiferroic properties of novel room-temperature magnetoelectrics: Lead iron tantalate \leftrightarrow lead zirconate titanate (PFT/PZT). <i>AIP Advances</i> , 2011, 1, .	0.6	110
39	Raman spectroscopy of Na _{0.5} Bi _{0.5} TiO ₃ . <i>Ferroelectrics, Letters Section</i> , 1986, 6, 147-152.	0.4	109
40	Switching kinetics in KNO ₃ ferroelectric thin film memories. <i>Journal of Applied Physics</i> , 1987, 61, 5467-5470.	1.1	109
41	Room-temperature single phase multiferroic magnetoelectrics: Pb(Fe, M) _x (Zr, Ti) _(1-x) O ₃ [M = Ta, Nb]. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	105
42	Is CdCr ₂ S ₄ a multiferroic relaxor?. <i>Nature</i> , 2007, 448, E4-E5.	13.7	101
43	Correlation of dielectric, electrical and magnetic properties near the magnetic phase transition temperature of cobalt zinc ferrite. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 210-218.	1.3	96
44	Ferroelectric domain wall memory with embedded selector realized in LiNbO ₃ single crystals integrated on Si wafers. <i>Nature Materials</i> , 2020, 19, 1188-1194.	13.3	92
45	The λ Transition in BiFeO ₃ : A Powder Neutron Diffraction Study. <i>Advanced Functional Materials</i> , 2010, 20, 2116-2123.	7.8	90
46	Multiferroic magnetoelectric fluorides: why are there so many magnetic ferroelectrics?. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 113202.	0.7	89
47	Raman spectroscopy of single-domain multiferroic BiFeO_3 . <i>Physical Review B</i> , 2010, 81, .	1.1	88
48	Giant Room-Temperature Elastocaloric Effect in Ferroelectric Ultrathin Films. <i>Advanced Materials</i> , 2014, 26, 6132-6137.	11.1	86
49	Prominent electrochromism through vacancy-order melting in a complex oxide. <i>Nature Communications</i> , 2012, 3, 799.	5.8	85
50	Multiferroic Pb(Fe _{0.66} W _{0.33}) _{0.80} Ti _{0.20} O ₃ thin films: A room-temperature relaxor ferroelectric and weak ferromagnetic. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	81
51	Dielectric anomalies due to grain boundary conduction in chemically substituted BiFeO ₃ . <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	78
52	Magnetic control of large room-temperature polarization. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 382204.	0.7	77
53	Wall thickness dependence of the scaling law for ferroic stripe domains. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 022201.	0.7	76
54	Ferroelectric polarization switching with a remarkably high activation energy in orthorhombic GaFeO ₃ thin films. <i>NPG Asia Materials</i> , 2016, 8, e242-e242.	3.8	72

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55	Maxwell-Wagner space charge effects on the Pb(Zr,Ti)O ₃ ∕CoFe ₂ O ₄ multilayers. Applied Physics Letters, 2007, 91, .	1.5	71
56	Studies of Phase Transitions and Magnetoelectric Coupling in PFN-CZFO Multiferroic Composites. Journal of Physical Chemistry C, 2016, 120, 1936-1944.	1.5	71
57	Analysis of quasielastic light scattering inLiNbO ₃ nearTC. Physical Review B, 1985, 32, 6787-6792.	1.1	70
58	Surface phase transitions in BiFeO ₃ below room temperature. Physical Review B, 2012, 85, .	1.1	70
59	Raman spectroscopy of submicron KNO ₃ films. II. Fatigue and space charge effects. Journal of Applied Physics, 1988, 64, 1547-1551.	1.1	66
60	Observation of spin-glass-like behavior in SrRuO ₃ thin films. Physical Review B, 2009, 79, .	1.1	64
61	Thickness independence of true phase transition temperatures in barium strontium titanate films. Journal of Applied Physics, 2004, 96, 555-562.	1.1	63
62	Switching Dynamics in Ferroelectric Thin Films: An Experimental Survey. Integrated Ferroelectrics, 2002, 48, 59-68.	0.3	61
63	Mesoscopic model of a system possessing both relaxor ferroelectric and relaxor ferromagnetic properties. Physical Review B, 2009, 79, .	1.1	61
64	Models for the frequency dependence of coercive field and the size dependence of remanent polarization in ferroelectric thin films. Integrated Ferroelectrics, 1996, 12, 71-81.	0.3	60
65	Subpicosecond Processes of Ferroelectric Domain Switching from Field and Temperature Experiments. Advanced Functional Materials, 2012, 22, 192-199.	7.8	59
66	The Nature of Magnetoelectric Coupling in Pb(Zr,Ti)O ₃ ∕Pb(Fe,Ta)O ₃ . Advanced Materials, 2015, 27, 6068-6073.	11.1	58
67	Negative differential resistivity in ferroelectric thin-film current-voltage relationships. Integrated Ferroelectrics, 1994, 4, 85-92.	0.3	57
68	High-field conduction in barium titanate. Applied Physics Letters, 2005, 86, 152903.	1.5	57
69	Some strategies for improving caloric responses with ferroelectrics. APL Materials, 2016, 4, 064109.	2.2	57
70	Phonon anomalies and phonon-spin coupling in oriented PbFe _{0.5} Nb _{0.5} O ₃ . Physical Review B, 2016, 93, 041111.	1.1	54
71	Clock-model description of incommensurate ferroelectric films and of nematic-liquid-crystal films. Physical Review B, 1986, 34, 1815-1819.	1.1	52
72	Structural Phase Transitions in BiFeO ₃ . Advanced Materials, 2010, 22, 2106-2107.	11.1	52

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73	Room temperature multiferroic properties of Pb(Fe _{0.5} Nb _{0.5})O ₃ â€“Co _{0.65} Zn _{0.35} Fe ₂ O ₄ composites. Journal of Applied Physics, 2013, 114, .	1.1	52
74	Ferroelectric switching and scale invariant avalanches in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>BaTi</mml:mi><mml:mrow><mml:mi>O</mml:mi><mml:mrow><mml:mi>3</mml:mi></mml:mrow></mml:math>. Physical Review Materials, 2019, 3, .	0.9	52
75	Phase transitions in ferroelectric thin films. Phase Transitions, 1991, 30, 107-110.	0.6	51
76	Landau Theory of Ferroelectric Domain Walls in Magnetoelectrics. Ferroelectrics, 2008, 375, 122-131.	0.3	51
77	Magnetic effects on dielectric and polarization behavior of multiferroic heterostructures. Applied Physics Letters, 2010, 96, 072904.	1.5	51
78	Effect of electrode resistance on dielectric and transport properties of multiferroic superlattice: A Impedance spectroscopy study. AIP Advances, 2012, 2, .	0.6	51
79	Soft modes in ferroelastic LaP ₅ O ₁₄ and NdP ₅ O ₁₄ . Solid State Communications, 1976, 18, 111-113.	0.9	50
80	Td10: Ferroelectric thin films in integrated microelectronic devices. Ferroelectrics, 1992, 133, 47-60.	0.3	49
81	Thickness dependence of D.C. leakage current in lead zirconate-titanate (PZT) memories. Ferroelectrics, 1992, 135, 163-168.	0.3	49
82	Perimeter effect in very small ferroelectrics. Applied Physics Letters, 2003, 82, 436-438.	1.5	49
83	Domains in three-dimensional ferroelectric nanostructures: theory and experiment. Journal of Physics Condensed Matter, 2007, 19, 132201.	0.7	47
84	In-plane strain control of the magnetic remanence and cation-charge redistribution in CoFe ₂ O ₄ thin film grown on a piezoelectric substrate. Physical Review B, 2010, 81, .	1.1	47
85	Phase transition and enhanced magneto-dielectric response in BiFeO ₃ -DyMnO ₃ multiferroics. Journal of Applied Physics, 2015, 117, .	1.1	45
86	Structural transformations and physical properties of (1-x)Na _{0.5} Bi _{0.5} TiO ₃ â€“xBaTiO ₃ solid solutions near a morphotropic phase boundary. Journal of Physics Condensed Matter, 2019, 31, 075401.	1.1	43
87	Shape-induced phase transition of domain patterns in ferroelectric platelets. Physical Review B, 2011, 84, .	1.1	44
88	Self-Similar Nested Flux Closure Structures in a Tetragonal Ferroelectric. Nano Letters, 2013, 13, 2553-2557.	4.5	44
89	Local Electrical Imaging of Tetragonal Domains and Field-Induced Ferroelectric Twin Walls in Conducting <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:mi>SrTiO</mml:mi></mml:mrow><mml:mrow><mml:mi>3</mml:mi></mml:mrow></mml:math>. Physical Review Letters, 2016, 116, 257601.	2.9	43
90	Near-room temperature relaxor multiferroic. Applied Physics Letters, 2010, 97, .	1.5	42

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91	Manipulating Ferroelectric Domains in Nanostructures Under Electron Beams. Physical Review Letters, 2013, 111, 165702.	2.9	42
92	Hierarchical Domain Structure and Extremely Large Wall Current in Epitaxial BiFeO ₃ Thin Films. Advanced Functional Materials, 2018, 28, 1801725.	7.8	41
93	Nanoscale ordering and multiferroic behavior in $Pb_{1-x}Bi_xFe_{1-x}O_3$. Physical Review B, 2010, 82, .	1.1	39
94	Electric control of magnon frequencies and magnetic moment of bismuth ferrite thin films at room temperature. Applied Physics Letters, 2011, 99, 062504.	1.5	39
95	Anomalous change in leakage and displacement currents after electrical poling on lead-free ferroelectric ceramics. Applied Physics Letters, 2015, 107, .	1.5	39
96	Experimental evidence of electronic polarization in a family of photo-ferroelectrics. RSC Advances, 2017, 7, 12842-12855.	1.7	39
97	Light scattering study of phase transitions in ferroelectric tris-sarcosine calcium chloride and its brominated isomorphs. Ferroelectrics, 1981, 39, 1163-1166.	0.3	38
98	Lee et al. Reply. Physical Review Letters, 2012, 108, .	2.9	38
99	Exploring Vertex Interactions in Ferroelectric Flux-Closure Domains. Nano Letters, 2014, 14, 4230-4237.	4.5	38
100	Analysis of quasielastic light scattering in LiTaO ₃ near TC. Physical Review B, 1986, 34, 1880-1883.	1.1	37
101	Process optimization and characterization of device worthy sol-gel based PZT for ferroelectric memories. Ferroelectrics, 1990, 112, 329-351.	0.3	37
102	Compositional engineering of BaTiO ₃ /(Ba,Sr)TiO ₃ ferroelectric superlattices. Journal of Applied Physics, 2013, 114, .	1.1	37
103	Depletion width in SrTiO ₃ and Ba _x Sr _{1-x} TiO ₃ films. Ferroelectrics, 1999, 232, 25-34.	0.3	36
104	Skyrmion model of nano-domain nucleation in ferroelectrics and ferromagnets. Journal of Physics Condensed Matter, 2006, 18, L71-L79.	0.7	36
105	Control of domain configuration in artificial BaTiO ₃ /(Ba,Sr)TiO ₃ superlattices. Applied Physics Letters, 2011, 99, 062504.	1.1	36
106	Negative differential resistivity and positive temperature coefficient of resistivity effect in the diffusion-limited current of ferroelectric thin-film capacitors. Journal of Physics Condensed Matter, 2004, 16, L515-L521.	0.7	35
107	Nucleation, growth, and control of ferroelectric-ferroelastic domains in thin polycrystalline films. Physical Review B, 2012, 86, .	1.1	35
108	Photoluminescence and time-resolved spectroscopy in multiferroic BiFeO ₃ : Effects of electric fields and sample aging. Applied Physics Letters, 2013, 102, 222901.	1.5	35

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109	Room temperature multiferroic effects in superlattice nanocapacitors. Applied Physics Letters, 2010, 97, 252902.	1.5	34
110	Phonon spectroscopy near phase transition temperatures in multiferroic BiFeO_3 thin films. Physical Review B, 2010, 81, .	1.1	34
111	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, .	1.1	34
112	Towards multicaloric effect with ferroelectrics. Physical Review B, 2016, 94, .	1.1	33
113	Fabrication and characterization of the multiferroic birelaxor $\text{lead-iron-tungstate/lead-zirconate-titanate}$. Journal of Applied Physics, 2010, 108, .	1.1	32
114	Ultrafast Switching in Avalanche-Driven Ferroelectrics by Supersonic Kink Movements. Advanced Functional Materials, 2017, 27, 1700367.	7.8	32
115	Magnon Raman spectroscopy and in-plane dielectric response in BiFeO_3 : Relation to the Polomska transition. Physical Review B, 2012, 85, .	1.1	31
116	Implementing Room-Temperature Multiferroism by Exploiting Hexagonal-Orthorhombic Morphotropic Phase Coexistence in LuFeO_3 Thin Films. Advanced Materials, 2016, 28, 7430-7435.	11.1	31
117	Ferroelectrics, multiferroics and artifacts: Lozenge-shaped hysteresis and things that go bump in the night. Materials Today, 2018, 21, 553-562.	8.3	31
118	Polarization switching characteristics of BiFeO_3 thin films epitaxially grown on Pt/MgO at a low temperature. Applied Physics Letters, 2009, 95, 242902.	1.5	30
119	Effect of thickness on dielectric, ferroelectric, and optical properties of Ni substituted $\text{Pb}(\text{Zr}_{0.2}\text{Ti}_{0.8})\text{O}_3$ thin films. Journal of Applied Physics, 2015, 118, .	1.1	30
120	Weak ferromagnetism and ferroelectricity in $\text{K}_3\text{Fe}_5\text{F}_{15}$. Journal of Applied Physics, 2008, 103, .	1.1	28
121	Switching of Ferroelectrics Without Domains. Advanced Materials, 2010, 22, 5315-5317.	11.1	28
122	Photovoltaic effect in a wide-area semiconductor-ferroelectric device. Applied Physics Letters, 2011, 99, .	1.5	28
123	In-plane dielectric and magnetoelectric studies of BiFeO_3 . Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 1207-1212.	0.8	28
124	Prospects for Ferroelectrics: 2012-2022. ISRN Materials Science, 2013, 2013, 1-24.	1.0	28
125	Superdomain dynamics in ferroelectric-ferroelastic films: Switching, jamming, and relaxation. Applied Physics Reviews, 2017, 4, 041104.	5.5	28
126	Room-temperature relaxor ferroelectricity and photovoltaic effects in tin titanate directly deposited on a silicon substrate. Physical Review B, 2018, 97, .	1.1	28

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127	Non-Polar and Complementary Resistive Switching Characteristics in Graphene Oxide devices with Gold Nanoparticles: Diverse Approach for Device Fabrication. Scientific Reports, 2019, 9, 15103.	1.6	28
128	Hyper-Raman spectra and frequency dependence of soft mode damping in SrTiO ₃ . Journal of Raman Spectroscopy, 1983, 14, 276-283.	1.2	27
129	Ferroelectric and photovoltaic properties of transition metal doped Pb(Zr _{0.14} Ti _{0.56} Ni _{0.30})O _{3-δ} thin films. AIP Advances, 2014, 4, .	0.6	27
130	Raman spectroscopy of structural phase transitions in Ag ₂₆ I ₁₈ W ₄ O ₁₆ . Journal of Chemical Physics, 1978, 69, 4984-4989.	1.2	26
131	Acoustic-phonon dispersion at incommensurate phase transitions. Ferroelectrics, 1983, 47, 33-56.	0.3	26
132	Probing the ferroelectric phase transition through Raman spectroscopy in Pb(Fe ₂ W ₁) ₂ Ti ₂ O ₃ thin films. Applied Physics Letters, 2007, 90, 262907.	1.5	26
133	New cryogenic phase transitions in SrSnO ₃ . Journal of Physics Condensed Matter, 2010, 22, 095901.	0.7	26
134	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, .	1.5	26
135	Unipolar resistive switching in planar Pt/BiFeO ₃ /Pt structure. AIP Advances, 2015, 5, .	0.6	25
136	High-Symmetry Polarization Domains in Low-Symmetry Ferroelectrics. Nano Letters, 2014, 14, 6931-6935.	4.5	24
137	A review of ferroelectric switching. Ferroelectrics, 2016, 503, 117-132.	0.3	24
138	Elastic and Anelastic Properties of Ferroelectric SrTi ₁₈ O ₃ in the kHz-MHz Regime. Physical Review Letters, 2011, 106, 105502.		23
139	Palladium-based ferroelectrics and multiferroics: Theory and experiment. Physical Review B, 2017, 95, .	1.1	23
140	Brillouin spectroscopy of the incommensurate-commensurate phase transition in barium sodium niobate. Phase Transitions, 1986, 6, 175-233.	0.6	22
141	Quantum criticality in a uniaxial organic ferroelectric. Journal of Physics Condensed Matter, 2015, 27, 395901.	0.7	22
142	Elastic and magnetoelastic relaxation behaviour of multiferroic (ferromagnetic + ferroelectric +) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14 Condensed Matter, 2015, 27, 285901.	0.7	22
143	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, .	1.1	22
144	Study of physical properties of integrated ferroelectric/ferromagnetic heterostructures. Journal of Applied Physics, 2010, 107, .	1.1	21

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145	Electrical studies of Barkhausen switching noise in ferroelectric PZT: Critical exponents and temperature dependence. <i>Physical Review Materials</i> , 2019, 3, .	0.9	21
146	Studies of optical damage in lithium niobate in the presence of thermal gradients. <i>Ferroelectrics</i> , 1985, 64, 215-219.	0.3	20
147	New phase transitions in ceramic SrSnO_3 : Raman scattering analysis and differential thermal analysis. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 055210.	0.7	20
148	There's no place like Ohm: conduction in oxide thin films. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 142202.	0.7	20
149	Polarization vortex domains induced by switching electric field in ferroelectric films with circular electrodes. <i>Physical Review B</i> , 2014, 90, .	1.1	20
150	Raman spectra of high-temperature incommensurate and superlattice phases of K_2Fe_4 . <i>Ferroelectrics</i> , 1987, 74, 309-316.	0.3	19
151	Effects of poling, and implications for metastable phase behavior in barium strontium titanate thin film capacitors. <i>Applied Physics Letters</i> , 2004, 85, 5010-5012.	1.5	19
152	Perturbed polariton spectra in optically damaged LiNbO_3 . <i>Ferroelectrics, Letters Section</i> , 1985, 3, 89-96.	0.4	18
153	Raman spectroscopy and dielectric Studies of multiple phase transitions in ZnO:Ni . <i>Applied Physics Letters</i> , 2008, 92, .	1.5	18
154	Searching for new ferroelectrics and multiferroics: A user's point of view. <i>Npj Computational Materials</i> , 2015, 1, .	3.5	18
155	Non-equilibrium defects and the statics and dynamics of incommensurate crystals. <i>Ferroelectrics</i> , 1986, 66, 11-23.	0.3	17
156	Temporal dependence of thermal self-focusing in ferroelectric $\text{Ba}_2\text{NaNb}_5\text{O}_{15}$ and $\text{Ce}_3:\text{Sr}_x\text{Ba}_{1-x}\text{Nb}_2\text{O}_6$. <i>Ferroelectrics</i> , 1991, 120, 115-129.	0.3	17
157	Optical bistability in lead magnesium niobate ceramics: An integrated photonic flow-rate/pressure gauge based upon thermal focussing and convection. <i>Integrated Ferroelectrics</i> , 1992, 1, 71-88.	0.3	17
158	Magnetic properties of multiferroic $\text{K}_3\text{Cr}_2\text{Fe}_3\text{F}_{15}$. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	17
159	Influence of epitaxial strain on elastocaloric effect in ferroelectric thin films. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	17
160	Lead palladium titanate: A room-temperature multiferroic. <i>Physical Review B</i> , 2017, 96, .	1.1	17
161	Positive temperature coefficient of resistivity and negative differential resistivity in lead iron tungstate-lead zirconate titanate. <i>Applied Physics Letters</i> , 2009, 94, 212903.	1.5	16
162	Leading the Way to Lead-Free. <i>ChemPhysChem</i> , 2010, 11, 341-343.	1.0	16

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163	Some current problems in perovskite nano-ferroelectrics and multiferroics: kinetically-limited systems of finite lateral size. <i>Science and Technology of Advanced Materials</i> , 2015, 16, 036001.	2.8	16
164	On the Theory of Ferroelectric Susceptibilities. <i>Journal of the Physical Society of Japan</i> , 1989, 58, 4487-4490.	0.7	15
165	Ferroelectric PMN photonic sensors: Adiabatic response. <i>Integrated Ferroelectrics</i> , 1993, 3, 69-80.	0.3	15
166	Lanthanum Gadolinium Oxide: A New Electronic Device Material for CMOS Logic and Memory Devices. <i>Materials</i> , 2014, 7, 2669-2696.	1.3	15
167	Nano- ϵ Domain Pinning in Ferroelastic ϵ Ferroelectrics by Extended Structural Defects. <i>Advanced Functional Materials</i> , 2014, 24, 5567-5574.	7.8	15
168	Tin titanate – the hunt for a new ferroelectric perovskite. <i>Reports on Progress in Physics</i> , 2019, 82, 092501.	8.1	15
169	Magnetic control of ferroelectric interfaces. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 202203.	0.7	14
170	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.	1.4	14
171	Origin of ferroelectricity in orthorhombic LuFeO_3 . <i>Physical Review B</i> , 2019, 100, .	1.1	14
172	Electron paramagnetic resonance and Mössbauer study of antiferromagnetic $\text{K}_3\text{Cu}_3\text{Fe}_2\text{F}_{15}$. <i>Journal of Applied Physics</i> , 2009, 106, 023924.	1.1	13
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