Roger W Whatmore

List of Publications by Year
in descending order

178 papers	8,591 citations	66343 42 h-index	48315 88 g-index
181 all docs	181 docs citations	181 times ranked	5293 citing authors

#	Article	IF	Citations
1	Monoclinic domain populations and enhancement of piezoelectric properties in a PZT single crystal at the morphotropic phase boundary. Physical Review B, 2022, 105, .	3.2	5
2	Pyroelectric Crystals, Ceramics, and Thin Films for IR Sensors. , 2021, , 139-150.		5
3	Quasi-indirect measurement of electrocaloric temperature change in PbSc0.5Ta0.5O3 via comparison of adiabatic and isothermal electrical polarization data. APL Materials, 2021, 9, .	5.1	6
4	Anomalous Motion of Charged Domain Walls and Associated Negative Capacitance in Copperâ€“Chlorine Boracite. Advanced Materials, 2021, 33, e2008068.	21.0	19
5	Pyroelectric and photovoltaic properties of Nb-doped PZT thin films. APL Materials, 2021, 9, .	5.1	18
6	100 years of ferroelectricityâ€”A celebration. APL Materials, 2021, 9, .	5.1	25
7	Orderâ€“disorder, ferroelasticity and mobility of domain walls in multiferroic Cuâ€“Cl boracite. Journal of Physics Condensed Matter, 2021, 33, 095402.	1.8	3
8	Influence of charged walls and defects on DC resistivity and dielectric relaxations in Cu-Cl boracite. Applied Physics Letters, 2021, 119, 202904.	3.3	0
9	Ferroelectric Behavior in Exfoliated 2D Aurivillius Oxide Flakes of Subâ€Unit Cell Thickness. Advanced Electronic Materials, 2020, 6, 1901264.	5.1	18
10	Investigating Ferroelectric Domain and Domain Wall Dynamics at Atomic Resolution by TEM/STEM in situ Heating and Biasing. Microscopy and Microanalysis, 2019, 25, 1882-1883.	0.4	1
11	Quantitative Highâ€Dynamicâ€Range Electron Diffraction of Polar Nanodomains in Pb₂ScTaO₆. Advanced Materials, 2019, 31, e1806498.	21.0	12
12	Injection and controlled motion of conducting domain walls in improper ferroelectric Cu-Cl boracite. Nature Communications, 2017, 8, 15105.	12.8	68
13	Ferroelectric Materials. Springer Handbooks, 2017, , 1-1.	0.6	7
14	Direct atomic scale determination of magnetic ion partition in a room temperature multiferroic material. Scientific Reports, 2017, 7, 1737.	3.3	32
15	Direct visualization of magneticâ€fieldâ€induced magnetoelectric switching in multiferroic aurivillius phase thin films. Journal of the American Ceramic Society, 2017, 100, 975-987.	3.8	34
16	Comment on â€œInteresting Evidence for Templateâ€Induced Ferroelectric Behavior in Ultraâ€Thin Titanium Dioxide Films Grown on (110) Neodymium Gallium Oxide Substratesâ€• Advanced Functional Materials, 2016, 26, 642-646.	14.9	6
17	Absence of Evidence â‰ Evidence of Absence: Statistical Analysis of Inclusions in Multiferroic Thin Films. Scientific Reports, 2015, 4, 5712.	3.3	23
18	Tunable nanoscale structural disorder in Aurivillius phase, n = 3 Bi₄Ti₃O₁₂ thin films and their role in the transformation to n = 4, Bi₅Ti₃FeO₁₅ phase. Journal of Materials Chemistry C, 2015, 3, 5727-5732.	5.5	18

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19	Bismuth Self-Limiting Growth of Ultrathin BiFeO₃ Films. Chemistry of Materials, 2015, 27, 6508-6515.	6.7	28
20	Next-generation electrocaloric and pyroelectric materials for solid-state electrothermal energy interconversion. MRS Bulletin, 2014, 39, 1099-1111.	3.5	155
21	Interesting Evidence for Templateâ€Induced Ferroelectric Behavior in Ultraâ€Thin Titanium Dioxide Films Grown on (110) Neodymium Gallium Oxide Substrates. Advanced Functional Materials, 2014, 24, 2844-2851.	14.9	16
22	Characterisation of Pyroelectric Materials. Springer Series in Measurement Science and Technology, 2014, , 65-86.	0.8	9
23	Magnetic Fieldâ€Induced Ferroelectric Switching in Multiferroic Aurivillius Phase Thin Films at Room Temperature. Journal of the American Ceramic Society, 2013, 96, 2339-2357.	3.8	154
24	Ferroelectric precursor behavior in PbSc<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub></mml:math>Ta<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mml:	3.2	45
25	Fabrication of Arrays of Lead Zirconate Titanate (PZT) Nanodots via Block Copolymer Self-Assembly. Chemistry of Materials, 2013, 25, 1458-1463.	6.7	31
26	Ferroelectric nanoparticles, wires and tubes: synthesis, characterisation and applications. Journal of Materials Chemistry C, 2013, 1, 2618.	5.5	153
27	Pyroelectric response of lead zirconate titanate thin films on silicon: Effect of thermal stresses. Journal of Applied Physics, 2013, 114, .	2.5	34
28	Atomic vapor deposition of bismuth titanate thin films. Journal of Applied Physics, 2013, 113, .	2.5	18
29	Room temperature ferroelectric and magnetic investigations and detailed phase analysis of Aurivillius phase Bi5Ti3Fe0.7Co0.3O15 thin films. Journal of Applied Physics, 2012, 112, .	2.5	40
30	Crystallographic and magnetic identification of secondary phase in orientated Bi5Fe0.5Co0.5Ti3O15 ceramics. Journal of Applied Physics, 2012, 112, 073919.	2.5	29
31	Surface Roughness Assisted Growth of Vertically Oriented Ferroelectric SbSI Nanorods. Chemistry of Materials, 2012, 24, 3279-3284.	6.7	28
32	Room temperature electromechanical and magnetic investigations of ferroelectric Aurivillius phase Bi5Ti3(FexMn1â^'x)O15 (xâ€‰=â€‰1 and 0.7) chemical solution deposited thin films. Journal of Applied Physics, 2012, 112, .	2.5	30
33	The structural and piezoresponse properties of c-axis-oriented Aurivillius phase Bi5Ti3FeO15 thin films deposited by atomic vapor deposition. Applied Physics Letters, 2012, 101, .	3.3	36
34	Nanoscale Ferroelectric and Piezoelectric Properties of Sb₂S₃ Nanowire Arrays. Nano Letters, 2012, 12, 868-872.	9.1	61
35	PST thin films for electrocaloric coolers. Journal Physics D: Applied Physics, 2011, 44, 165407.	2.8	90
36	Piezoresponse force microscopy investigations of Aurivillius phase thin films. Journal of Applied Physics, 2010, 108, 042004.	2.5	29

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37	Investigation of the electrocaloric effect in a PbMg2/3Nb1/3O3-PbTiO3 relaxor thin film. Applied Physics Letters, 2009, 95, .	3.3	194
38	Pyroelectric effect enhancement in laminate composites under short circuit condition. Journal of Applied Physics, 2009, 106, .	2.5	17
39	Direct and converse magnetoelectric effect at resonant frequency in laminar piezoelectric-magnetostrictive composite. Journal of Electroceramics, 2008, 20, 53-58.	2.0	21
40	Development of residual stress in sol-gel derived Pb(Zr,Ti)O3 films: An experimental study. Journal of Applied Physics, 2008, 103, 084101.	2.5	37
41	Pyroelectric ceramics and thin films for applications in uncooled infra-red sensor arrays. Physica Scripta, 2007, T129, 6-11.	2.5	31
42	STRESS-INDUCED PHASE FORMATION OF PZT 52/48 THIN FILMS. Integrated Ferroelectrics, 2007, 88, 85-92.	0.7	4
43	SOL-GEL FABRICATION OF PZT THICK FILMS FOR MEMS. Integrated Ferroelectrics, 2007, 88, 93-102.	0.7	9
44	Characterisation of PZT thin film micro-actuators using a silicon micro-force sensor. Sensors and Actuators A: Physical, 2007, 133, 35-44.	4.1	34
45	Porous, Functionally Gradient Pyroelectric Materials. Journal of the American Ceramic Society, 2007, 90, 137-142.	3.8	36
46	The investigation of key processing parameters in fabrication of Pb(Zr x Ti1âˆ’x)O3 thick films for MEMS applications. Journal of Electroceramics, 2007, 19, 295-301.	2.0	8
47	Comparative measurements of piezoelectric coefficient of PZT films by berlincourt, interferometer, and vibrometer methods. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2006, 53, 2287-2293.	3.0	29
48	Flextensional ultrasonic piezoelectric micro-motor. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2006, 53, 2357-2366.	3.0	9
49	Giant Electrocaloric Effect in Thin-Film PbZr0.95Ti0.05O3. Science, 2006, 311, 1270-1271.	12.6	1,424
50	Giant electrocaloric effect in the thin film relaxor ferroelectric 0.9PbMg1âˆ•3Nb2âˆ•3O3â€“0.1PbTiO3 near room temperature. Applied Physics Letters, 2006, 89, 242912.	3.3	341
51	Piezoelectric PZT films for MEMS and their characterization by interferometry. Journal of Electroceramics, 2006, 17, 549-556.	2.0	15
52	Recent Advances in Pyroelectric Ceramics and Thin Films for Applications in Uncooled Infra-Red Sensor Arrays. Advances in Science and Technology, 2006, 45, 2503.	0.2	3
53	A New Approach to Interconversion of Thermal and Electrical Energy. , 2006, , .		0
54	Experimental, analytical, and finite element analyses of nanoindentation of multilayer PZT/Pt/SiO2 thin film systems on silicon wafers. Journal of Materials Research, 2006, 21, 409-419.	2.6	11

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55	THE ELECTROMECHANICAL PROPERTIES OF HIGHLY [100] ORIENTED [Pb(Zr0.52Ti0.48)O3, PZT] THIN FILMS. Integrated Ferroelectrics, 2006, 80, 77-85.	0.7	10
56	Nanotechnologyâ€"what is it? Should we be worried?. Occupational Medicine, 2006, 56, 295-299.	1.4	44
57	Ferroelectric Materials. , 2006, , 597-623.		9
58	Phase Diagram of the Bi4Ti3O12-BaTiO3-(Na1/2Bi1/2)TiO3 System. Journal of the American Ceramic Society, 2005, 88, 3147-3153.	3.8	19
59	Structure modification of 0â€"3 piezoelectric ceramic/polymer composites through dielectrophoresis. Journal Physics D: Applied Physics, 2005, 38, 175-182.	2.8	64
60	Orientation Control of Low Temperature Deposited Sol-Gel PZT52/48 Films. Ferroelectrics, 2005, 318, 41-48.	0.6	6
61	Pyroelectric Arrays Using Ceramics and Thin Films Integrated Radiation Collectors: Design Fabrication and Testing. Ferroelectrics, 2005, 318, 11-22.	0.6	3
62	A double-beam common path laser interferometer for the measurement of electric field-induced strains of piezoelectric thin films. Review of Scientific Instruments, 2005, 76, 123906.	1.3	11
63	Sol-Gel Derived Lead Zirconate Titanate Thick Films and Their Improved Pyroelectric Properties. Integrated Ferroelectrics, 2004, 64, 207-216.	0.7	4
64	Using the surface spontaneous depolarization field of ferroelectrics to direct the assembly of virus particles. Applied Physics Letters, 2004, 85, 3537-3539.	3.3	45
65	Development Aspects of an Integrated Pyroelectric Array Incorporating a Thin PZT Film and Radiation Collectors. Integrated Ferroelectrics, 2004, 63, 93-97.	0.7	3
66	High Frequency PZT Composite Thick Film Resonators. Integrated Ferroelectrics, 2004, 63, 27-33.	0.7	5
67	Kinetics of Phase Transformations in Lead Scandium Tantalate Thin Films. Integrated Ferroelectrics, 2004, 60, 87-94.	0.7	2
68	Experimental Design and Construction of a Flextensional Ultrasonic Piezoelectric Micro-Motor. Integrated Ferroelectrics, 2004, 63, 165-169.	0.7	1
69	Influence of MgO on the Structural and Electrical Properties of Bi4Ti3O12. Integrated Ferroelectrics, 2004, 62, 193-197.	0.7	3
70	Pyroelectric Arrays: Ceramics and Thin Films. Journal of Electroceramics, 2004, 13, 139-147.	2.0	70
71	Fabrication of PZT Composite Thick Films for High Frequency Membrane Resonators. Journal of Electroceramics, 2004, 13, 267-270.	2.0	3
72	Preparation of Functionally Graded PZT Ceramics Using Tape Casting. Journal of Electroceramics, 2004, 13, 413-415.	2.0	17

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73	Screen Printed PZT Composite Thick Films. Integrated Ferroelectrics, 2004, 63, 89-92.	0.7	18
74	FIB Milled PZT Nanocapacitors Tested Using PFM. Integrated Ferroelectrics, 2004, 61, 223-230.	0.7	8
75	Fabrication and modeling of high-frequency PZT composite thick film membrance resonators. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2004, 51, 1255-1261.	3.0	32
76	Flextensional ultrasonic motor using the contour mode of a square piezoelectric plate. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2004, 51, 929-936.	3.0	9
77	Screen Printed PZT Thick Films Using Composite Film Technology. Integrated Ferroelectrics, 2003, 54, 651-658.	0.7	21
78	Improved Ferroelectric Properties in Mn-Doped PZT Thin Films. Integrated Ferroelectrics, 2003, 52, 73-84.	0.7	1
79	Thick PZT Micro-Features Obtained by Direct Patterning of Photosensitive Precursor Solution. Integrated Ferroelectrics, 2003, 54, 585-593.	0.7	4
80	Improved ferroelectric and pyroelectric properties in Mn-doped lead zirconate titanate thin films. Journal of Applied Physics, 2003, 94, 5228.	2.5	119
81	Soft lithographic patterning of oxide thin films. , 2003, , .		0
82	On the phase transformation kinetics in lead scandium tantalate thin films. Journal Physics D: Applied Physics, 2003, 36, 3039-3046.	2.8	6
83	Comparative microstructure and electrical property studies of lead scandium tantalate thin films as prepared by LDCVD, solÂgel and sputtering techniques. Journal Physics D: Applied Physics, 2003, 36, 270-279.	2.8	3
84	A Model of Phase Transition Kinetics in Lead Scandium Tantalate Thin Films. Integrated Ferroelectrics, 2003, 58, 1347-1357.	0.7	2
85	The Effect of Repeated Sol Infiltrations on the Microstructure and Electrical Properties of PZT Composite Sol-Gel Films. Ferroelectrics, 2002, 267, 373-378.	0.6	11
86	Effect of sol infiltrations on electrical properties of PZT. Advances in Applied Ceramics, 2002, 101, 146-148.	0.4	9
87	Ultrahigh resolution of lead zirconate titanate 30/70 domains as imaged by piezoforce microscopy. Nanotechnology, 2002, 13, 456-459.	2.6	30
88	Properties of Bi4Ti3O12â€“(Na1/2Bi1/2)TiO3Piezoelectric Ceramics. Japanese Journal of Applied Physics, 2002, 41, 7127-7130.	1.5	40
89	Growth Stages of Sol-Gel Derived PZT(30/70) on Pt/Ti/SiO 2 as Shown by SPM (PFM and Topography). Integrated Ferroelectrics, 2002, 46, 87-94.	0.7	3
90	Sputtered lead scandium tantalate thin films: crystallization behaviour during post-deposition annealing. Journal Physics D: Applied Physics, 2001, 34, 3121-3129.	2.8	12

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91	Travelling wave ultrasonic motor using the B/sub 08/ flexural mode of a circular membrane. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2001, 48, 683-690.	3.0	2
92	Mechanical and electromechanical properties of PZT sol-gel thin films measured by nanoindentation. Integrated Ferroelectrics, 2001, 41, 53-62.	0.7	12
93	Sol-gel PZT and Mn-doped PZT thin films for pyroelectric applications. Journal Physics D: Applied Physics, 2001, 34, 2296-2301.	2.8	115
94	Growth and characterisation of lead zirconate titanate (30/70) thin films using TiO2seeding for oxide ferroelectric-liquid crystal display application. Ferroelectrics, 2001, 256, 159-174.	0.6	3
95	Sol-gel PZT and Mn-doped PZT thin films for pyroelectric applications. Integrated Ferroelectrics, 2001, 41, 43-50.	0.7	16
96	Thin-film bulk acoustic resonators and filters using ZnO and lead-zirconium-titanate thin films. IEEE Transactions on Microwave Theory and Techniques, 2001, 49, 769-778.	4.6	139
97	Effects of Pulsed Electric Fields on a Nematic Device with a Ferroelectric Ceramic Substrate. Molecular Crystals and Liquid Crystals, 2001, 368, 9-15.	0.3	1
98	Cryogenic electrical studies of manganese-doped lead scandium tantalate thin films: Phase transitions or domain wall dynamics?. AIP Conference Proceedings, 2001, , .	0.4	6
99	Kinetics of lead zirconate titanate sol aging. Integrated Ferroelectrics, 2001, 36, 153-161.	0.7	0
100	An examination of thin film lead scandium tantalum oxide (PST) using piezoAFM. Journal of Materials Science Letters, 2001, 20, 179-181.	0.5	11
101	Transformation dependence of lead zirconate titanate (PZT) as shown by piezoafm surface mapping of SOL-GEL produced pzt on various substrates.. Integrated Ferroelectrics, 2001, 38, 39-47.	0.7	16
102	Piezo- and pyroelectric properties of lead scandium tantalate thin films. Integrated Ferroelectrics, 2001, 35, 209-218.	0.7	11
103	Pyroelectric Materials and Devices. , 2001, , 99-147.		29
104	e31,fdetermination for PZT films using a conventional `d33' meter. Journal Physics D: Applied Physics, 2001, 34, 1456-1460.	2.8	60
105	Oxide ferroelectric thin film/nematic liquid crystal devices. Integrated Ferroelectrics, 2001, 41, 3-16.	0.7	1
106	High Frequency Thin Film Acoustic Ferroelectric Resonators. Materials Research Society Symposia Proceedings, 2000, 655, 171.	0.1	1
107	Liquid-phase sintering of PZT ceramics. Journal of the European Ceramic Society, 2000, 20, 2039-2045.	5.7	136
108	Growth and characterisation of lead zirconate titanate (30/70) on indium tin oxide coated glass for oxide ferroelectric-liquid crystal display application. Integrated Ferroelectrics, 2000, 29, 189-213.	0.7	26

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109	Effect of alloying platinum bottom electrode with silver: In relation to CSD processing of PZT thin films. Integrated Ferroelectrics, 2000, 29, 251-271.	0.7	4
110	Studies of the ferroelectric domain configuration and polarization of rhombohedral PZT ceramics. Journal of Physics Condensed Matter, 2000, 12, 323-337.	1.8	100
111	Pyroelectric ceramics and thin films for uncooled thermal imaging. Ferroelectrics, 2000, 236, 259-279.	0.6	50
112	Local Freedericksz transitions at a nematic liquid crystal/thin film oxide ferroelectric interface. Liquid Crystals, 1999, 26, 601-604.	2.2	5
113	Single point diamond turning of ferroelectric materials. Ferroelectrics, 1999, 228, 229-239.	0.6	3
114	Low temperature crystallization of lead zirconate titanate thin films by a sol-gel method. Journal of Applied Physics, 1999, 85, 7355-7361.	2.5	153
115	Coupling of the remanent polarisation in thin film oxide ferroelectrics with nematic liquid crystals. Journal of Materials Chemistry, 1999, 9, 375-380.	6.7	14
116	Low temperature sol gel deposition of PST (Pb(Sc0.5Ta0.5)O3) thin films. Ferroelectrics, 1999, 228, 53-60.	0.6	2
117	Ferroelectrics, microsystems and nanotechnology. Ferroelectrics, 1999, 225, 179-192.	0.6	29
118	The influence of particle size of acetic acid modified PZT precursor solution on the crystallization and electrical properties of sol-gel processed PZT thin films. Integrated Ferroelectrics, 1999, 23, 215-228.	0.7	2
119	Structural development in the early stages of annealing of solâ€“gel prepared lead zirconate titanate thin films. Journal of Applied Physics, 1999, 86, 1662-1669.	2.5	102
120	Title is missing!. Journal of Materials Science Letters, 1998, 17, 1157-1159.	0.5	78
121	Sputtered lead scandium tantalate thin films: a microstructural study. Journal of Materials Science, 1998, 33, 363-370.	3.7	9
122	A neutron diffraction investigation into the rhombohedral phases of the perovskite series. Journal of Physics Condensed Matter, 1998, 10, 6251-6269.	1.8	161
123	Investigation into the Crystal Structure of the Perovskite Lead Hafnate, PbHfO3. Acta Crystallographica Section B: Structural Science, 1998, 54, 18-28.	1.8	64
124	A TEM and neutron diffraction study of the local structure in the rhombohedral phase of lead zirconate titanate. Journal of Physics Condensed Matter, 1998, 10, 1767-1786.	1.8	68
125	Microstructural characterization of solâ€“gel leadâ€“zirconateâ€“titanate thin films. Journal of Applied Physics, 1998, 83, 2202-2208.	2.5	65
126	Low temperature formation of sol-gel derived ferroelectric lead zirconate titanate (Pb(Zr_xTi_{1-x})O₃, x = 0.3) thin films. European Physical Journal Special Topics, 1998, 08, Pr9-79-Pr9-82.	0.2	5

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127	Low temperature sol gel synthesis of PST thin films. European Physical Journal Special Topics, 1998, 08, Pr9-57-Pr9-60.	0.2	0
128	Sputtered lead scandium tantalate thin films: Pb4+ in B sites in the perovskite structure. Journal of Applied Physics, 1997, 82, 5686-5694.	2.5	35
129	A Re-investigation of the Crystal Structure of the Perovskite PbZrO3 by X-ray and Neutron Diffraction. Acta Crystallographica Section B: Structural Science, 1997, 53, 135-142.	1.8	116
130	Pyroelectric Materials and Devices. The Electrical Engineering Handbook, 1997, , .	0.2	0
131	Electrophoretic deposition of ferroelectric thin films. Ferroelectrics, 1996, 187, 57-73.	0.6	8
132	Ferroelectric Thin Films for Capacitor and Sensor Applications. , 1995, , 383-397.		15
133	High dielectric constant ceramics in the PbSc0.5Ta0.5O3-PbZrO3 and PbSc0.5Ta0.5O3-PbTiO3 systems. Journal of Materials Science, 1993, 28, 1377-1384.	3.7	17
134	Ferroelectric ceramics and thin films for pyroelectric applications. Integrated Ferroelectrics, 1993, 3, 301-308.	0.7	12
135	Ferroelectric materials for uncooled thermal imaging. Proceedings of SPIE, 1993, , .	0.8	14
136	Pyroelectric Properties of Lead Based Ferroelectric thin Films. Materials Research Society Symposia Proceedings, 1993, 310, 53.	0.1	10
137	TfP258. Physicochemical properties of SOL-GEL derived lead scandium tantalate Pb(Sc_{0.5}Ta_{0.5})O₃thin films. Ferroelectrics, 1992, 134, 343-348.	0.6	25
138	High moisture resistant electroactive composites. Ferroelectrics, 1992, 127, 197-202.	0.6	0
139	Thin ferroelectric films for thermal detector applications. Integrated Ferroelectrics, 1992, 1, 363-378.	0.7	5
140	PyI11: Pyroelectric properties of thin film lead scandium tantalate. Ferroelectrics, 1992, 133, 35-40.	0.6	18
141	DiC17: High dielectric constant ceramics in the PbSc_{0.5}Ta_{0.5}O₃-PbZrO₃system. Ferroelectrics, 1992, 133, 159-161.	0.6	6
142	Preparation and properties of PbTiO/sub 3/ and Pb(Sc/sub 0.5/Ta/sub 0.5/)O/sub 3/ thin films by sol-gel processing. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 1991, 38, 672-676.	3.0	12
143	Improvements to pyroelectric ceramics via strontium doping of the lead zirconate-lead iron niobate-lead titanate system. Ferroelectrics, 1991, 118, 93-101.	0.6	14
144	Piezoelectric and Pyroelectric Materials and Their Applications. , 1991, , 283-290.		6

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145	Pyroelectric ceramics and devices for thermal infra-red detection and imaging. Ferroelectrics, 1991, 118, 241-259.	0.6	164
146	An Introduction to Ferroelectric Ceramics and their Applications. , 1991, , 223-254.		2
147	Ferroelectric materials for thermal ir sensors state-of-the-art and perspectives. Ferroelectrics, 1990, 104, 269-283.	0.6	94
148	0-3 composite sensitivity. Ferroelectrics, 1990, 109, 217-222.	0.6	12
149	Lead scandium tantalate for thermal detector applications. Ferroelectrics, 1990, 106, 387-392.	0.6	95
150	0â€“3 piezoelectric composites for large area hydrophones. Ferroelectrics, 1989, 93, 169-176.	0.6	33
151	The dependence of microstructure and superconducting phase formation on post-sintering cool-rate of BiCaSrCu2Oxceramic. Superconductor Science and Technology, 1989, 2, 132-139.	3.5	5
152	Preparation of electroceramics from metal organic precursors. Ferroelectrics, 1989, 94, 255-259.	0.6	0
153	The growth of ferroelectric oxides by MOCVD. Ferroelectrics, 1989, 91, 181-192.	0.6	57
154	Electronic ceramics. Physics in Technology, 1988, 19, 58-66.	0.2	2
155	The dielectric and piezoelectric properties of vinylidene fluoride-trifluoroethylene copolymers. Ferroelectrics, 1987, 76, 383-391.	0.6	15
156	Ferroelectric domain configurations in a modified-PZT ceramic. Journal of Materials Science, 1987, 22, 925-931.	3.7	118
157	Ferroelectric materials for thermal IR detectors. Ferroelectrics, 1987, 76, 351-367.	0.6	203
158	Pyroelectric devices and materials. Reports on Progress in Physics, 1986, 49, 1335-1386.	20.1	903
159	Low Microphony Pyroelectric Arrays. , 1986, 0588, 44.		13
160	A TEM study of ordering in the perovskite, Pb(Sc1/2Ta1/2)O3. Journal of Materials Science, 1986, 21, 4456-4462.	3.7	135
161	Passive Properties of 3-1-1 Piezoelectric Composites. Japanese Journal of Applied Physics, 1985, 24, 448.	1.5	2
162	A black platinum catalyst/pyroelectric gas sensor. Ferroelectrics, 1984, 54, 211-214.	0.6	16

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163	<title>Pyroelectric Ceramic Materials For Uncooled I.R. Detectors</title>. Proceedings of SPIE, 1983, , .	0.8	24
164	High performance, conducting pyroelectric ceramics. Ferroelectrics, 1983, 49, 201-210.	0.6	37
165	The electro-elastic and SAW properties of Sr0.5Ba0.5Nb2O6. Journal Physics D: Applied Physics, 1982, 15, 2469-2481.	2.8	16
166	The electromechanical and SAW properties of proustite and pyrargyrite. Journal Physics D: Applied Physics, 1982, 15, 1289-1299.	2.8	21
167	Direct imaging of travelling Rayleigh waves by stroboscopic X-ray topography. Nature, 1982, 299, 44-46.	27.8	90
168	Pyroelectric ceramics in the lead zirconate-lead titanate-lead iron niobate system. Ferroelectrics, 1981, 35, 155-160.	0.6	66
169	Electrical conductivity in uranium doped, modified lead zirconate pyroelectric ceramics. Ferroelectrics, 1981, 37, 543-546.	0.6	19
170	Temperature-dependence of the lattice parameters of nickel-bromine boracite between 25 and 200Â°C. Phase Transitions, 1981, 2, 85-101.	1.3	12
171	Lithium tetraborate: a new temperature-compensated SAW substrate material. Electronics Letters, 1981, 17, 11.	1.0	138
172	The dielectric properties of NiBr and FeI boracite single crystals. Ferroelectrics, 1980, 27, 67-70.	0.6	25
173	Nucleation control during the growth of boracite single crystals. Ferroelectrics, 1980, 28, 329-332.	0.6	11
174	Recent developments in ferroelectrics for infrared detectors. Physica Status Solidi A, 1980, 61, 73-80.	1.7	30
175	The growth and piezoelectric properties of Te2V2O9(for surface acoustic wave device application). Journal Physics D: Applied Physics, 1980, 13, 2143-2149.	2.8	13
176	Structural phase transitions in lead zirconate. Journal of Physics C: Solid State Physics, 1979, 12, 1505-1519.	1.5	141
177	Tricritical behaviour in PbZrxTi1-xO3solid solutions. Journal of Physics C: Solid State Physics, 1978, 11, 3089-3102.	1.5	96
178	Growth and characterization of PbZr_xTi_{1â€“x}O₃single crystals. Ferroelectrics, 1976, 13, 497-500.	0.6	5