

# Jan Petzelt

## List of Publications by Year in descending order

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358  
papers

11,275  
citations

26610

56  
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48277

88  
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374  
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374  
docs citations

374  
times ranked

6480  
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-particle and collective excitations of polar water molecules confined in nano-pores within a cordierite crystal lattice. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 6890-6904.	1.3	8
2	Unusual features of lattice dynamics in lawsonite near its phase transitions. <i>Scientific Reports</i> , 2022, 12, 6157.	1.6	1
3	Unusual dynamics of the ferroelectric phase transition in $KxO3$ crystals. <i>Physical Review B</i> , 2022, 105, .		
4	Ferroelectric soft mode and microwave dielectric relaxation in $BaTiO3$ . <i>Physical Review Materials</i> , 2021, 5, .	0.9	3
5	Broadband Dielectric, Terahertz, and Infrared Spectroscopy of $BaTiO3$ – $BaZrO3$ Solid Solution: From Proper Ferroelectric over Diffuse and Relaxor Ferroelectrics and Dipolar Glass to Normal Dielectric. <i>Physica Status Solidi (B): Basic Research</i> , 2021, 258, 2100259.	0.7	6
6	Synthesis and broadband dielectric-infrared spectroscopy of $La_{1-x}Sr_xMnO_3@BaTiO_3$ nanocomposite. <i>Materials Research Bulletin</i> , 2021, 144, 111459.	2.7	2
7	Polar Phonon Behaviour in Polycrystalline Bi-Doped Strontium Titanate Thin Films. <i>Materials</i> , 2021, 14, 6414.	1.3	2
8	Dielectric ordering of water molecules arranged in a dipolar lattice. <i>Nature Communications</i> , 2020, 11, 3927.	5.8	33
9	Broadband dielectric spectroscopy of $La_{0.65}Sr_{0.35}MnO_3@TiO_2$ core–shell nanocomposites. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 415701.	0.7	1
10	Giant permittivity effects from the core–shell structure modeling of the dielectric spectra. <i>Ferroelectrics</i> , 2020, 569, 9-20.	0.3	7
11	Proton dynamics in superprotonic $Rb_3H(SeO_4)_2$ crystal by broadband dielectric spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 465401.	0.7	0
12	Soft mode driven local ferroelectric transition in lead-based relaxors. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	3
13	Microwave absorbing and shielding properties of inhomogeneous conductors and high-loss dielectrics. <i>Ferroelectrics</i> , 2018, 532, 57-66.	0.3	5
14	Polar phonons in polycrystalline $SrTiO_3$ thin films: The role of the substrate. <i>Ferroelectrics</i> , 2018, 532, 89-99.	0.3	2
15	Origin of the colossal permittivity of $(Nb_{1-x}In_x)$ co-doped rutile ceramics by wide-range dielectric spectroscopy. <i>Phase Transitions</i> , 2018, 91, 932-941.	0.6	14
16	Composition dependent microwave properties of dielectric-conductor nanocomposites. <i>Phase Transitions</i> , 2018, 91, 1027-1035.	0.6	6
17	Wide range dielectric and infrared spectroscopy of $(Nb+In)$ co-doped rutile ceramics. <i>Physical Review Materials</i> , 2018, 2, .	0.9	21
18	Interfaced conducting polymers. <i>Synthetic Metals</i> , 2017, 224, 109-115.	2.1	15

#	ARTICLE	IF	CITATIONS
19	Effective infrared reflectivity and dielectric function of polycrystalline alumina ceramics. Physica Status Solidi (B): Basic Research, 2017, 254, 1600607 Infrared, terahertz, and microwave spectroscopy of the soft and central modes in $\alpha$ -Al <sub>2</sub> O <sub>3</sub>	0.7	4

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#	ARTICLE	IF	CITATIONS
37	Peculiar Bi-ion dynamics in Na <sub>1/2</sub> Bi <sub>1/2</sub> TiO <sub>3</sub> from terahertz and microwave dielectric spectroscopy. Phase Transitions, 2014, 87, 953-965.	0.6	24
38	Guest editors' note. Phase Transitions, 2014, 87, 907-908.	0.6	0
39	Anisotropic dielectric response of lead zirconate crystals in the terahertz and infrared range at low temperature. Phase Transitions, 2014, 87, 1129-1137.	0.6	3
40	Fano resonance and dipolar relaxation in lead-free relaxors. Nature Communications, 2014, 5, 5100.	5.8	57
41	Effective dielectric function of porous Pb <sub>3</sub> Mg <sub>13</sub> O <sub>3</sub> ceramics. Physical Review B, 2014, 89, .	1.1	13
42	Broadband dielectric and conductivity spectroscopy of inhomogeneous and composite conductors. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 2259-2271.	0.8	50
43	Dielectric properties of carbon nanofibre/alumina composites. Carbon, 2013, 57, 380-387.	5.4	15
44	Broad-band conductivity and dielectric spectroscopy of composites of multiwalled carbon nanotubes and poly(ethylene terephthalate) around their low percolation threshold. Nanotechnology, 2013, 24, 055707.	1.3	47
45	Guest editors'™ preface. Phase Transitions, 2013, 86, 111-112.	0.6	0
46	Magnetodielectric effect and phonon properties of compressively strained EuTiO <sub>3</sub> thin films deposited on (001)(LaAlO <sub>3</sub> ) <sub>Tj</sub> ETQq0 0 0 rgBT /Overlock 10 Tf	1.1	21
47	Raman Spectroscopy of Sr <sub>3</sub> Pb <sub>1-x</sub> TiO <sub>3</sub> Thin Films. Ferroelectrics, 2012, 426, 45-52.	0.3	5
48	Dynamic Ferroelectricity Like Softening Due to the Conduction in Disordered and Inhomogeneous Systems: Giant Permittivity Phenomena. Ferroelectrics, 2012, 426, 171-193.	0.3	34
49	Lattice dynamics and broad-band dielectric properties of the KTaO <sub>3</sub> ceramics. Journal of Applied Physics, 2012, 111, .	1.1	19
50	Broadband dielectric response of Ba(Zr,Ti)O <sub>3</sub> ceramics: From incipient via relaxor and diffuse up to classical ferroelectric behavior. Physical Review B, 2012, 86, .	1.1	66
51	Design of microwave dielectric resonator antenna using MZTO CSTO composite. Ceramics International, 2012, 38, 2355-2362.	2.3	18
52	Ferroelectric phase transition in polycrystalline KTaO <sub>3</sub> thin film revealed by terahertz spectroscopy. Applied Physics Letters, 2011, 99, .	1.5	26
53	Relaxor Lattice Vibrations and Phase Transition Dynamics in Pb(Zr <sub>1-x</sub> Ti <sub>x</sub> ) <sub>1-0.784314</sub> rgBT /Overlock 10 Tf 50 127 Td	1.1	72
54	Role of trivalent Sr substituents and Sr vacancies in tetragonal and polar states of SrTiO <sub>3</sub> . Acta Materialia, 2011, 59, 5388-5397.	3.8	40

#	ARTICLE	IF	CITATIONS
55	Large-Area Single-Crystalline Nanocone Arrays of an Organic Charge-Transfer Complex: Controlling Growth, Characterization, and Applications. <i>Small</i> , 2011, 7, 1412-1415.	5.2	26
56	Study of the ferroelectric phase transition in germanium telluride using time-domain terahertz spectroscopy. <i>Physical Review B</i> , 2011, 84, .	1.1	31
57	Enhancement of tetragonality and role of strontium vacancies in heterovalent doped SrTiO <sub>3</sub> . <i>Applied Physics Letters</i> , 2011, 98, .	1.5	27
58	Infrared phonon spectroscopy of a compressively strained (001) SrTiO <sub>3</sub> film grown on a (110) NdGaO <sub>3</sub> substrate. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 045901.	0.7	16
59	HIGH-FREQUENCY DIELECTRIC SPECTROSCOPY OF BaTiO <sub>3</sub> CORE-SILICA SHELL NANOCOMPOSITES: PROBLEM OF INTERDIFFUSION. <i>Journal of Advanced Dielectrics</i> , 2011, 01, 309-317.	1.5	17
60	Sr- and Ti-site substitution, lattice dynamics, and octahedral tilt transition relationship in SrTiO <sub>3</sub> :Mn ceramics. <i>Acta Materialia</i> , 2010, 58, 577-582.	3.8	23
61	Tribute to Dr. George W. Taylor on the Occasion of his Life Jubilee. <i>Ferroelectrics</i> , 2010, 400, xxv-xxvi.	0.3	0
62	Broadband dielectric response and grain-size effect in K <sub>0.5</sub> Na <sub>0.5</sub> NbO <sub>3</sub> ceramics. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	58
63	Relaxor-like behavior of BaTiO <sub>3</sub> crystals from acoustic emission study. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	69
64	Dielectric Grain-Size Effect in High-Permittivity Ceramics. <i>Ferroelectrics</i> , 2010, 400, 117-134.	0.3	68
65	Lattice dynamics and dielectric response of undoped, soft and hard PbZr <sub>0.42</sub> Ti <sub>0.58</sub> O <sub>3</sub> . <i>Phase Transitions</i> , 2010, 83, 917-930.	0.6	50
66	Lattice dynamics in Ba <sub>0.7</sub> Sr <sub>0.3</sub> TiO <sub>3</sub> : study by THz and IR spectroscopy and <i>ab initio</i> simulations. <i>Phase Transitions</i> , 2010, 83, 955-965.	0.6	10
67	Properties of BaTiO <sub>3</sub> confined in opal matrices &#x2014; lattice packings of nanospheres silica dioxide. , 2010, , .		0
68	Properties of BaTiO <sub>3</sub> confined in nanoporous Vycor and artificial opal silica. <i>Processing and Application of Ceramics</i> , 2010, 4, 215-223.	0.4	12
69	Broadband dielectric spectroscopy of phonons and polar nanoclusters in $\text{PbMg}_{1-x}\text{Ti}_x\text{O}_3$ Physical Review B, 2009, 79, .	1.1	48
70	Soft mode behavior in SrTiO <sub>3</sub> /DyScO <sub>3</sub> thin films: Evidence of ferroelectric and antiferrodistortive phase transitions. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	44
71	THz and IR dielectric response of BaTiO <sub>3</sub> core-shell composites: evidence for interdiffusion. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 155408.	1.3	22
72	Polar phonons in some compressively stressed epitaxial and polycrystalline SrTiO <sub>3</sub> thin films. <i>Journal of Electroceramics</i> , 2009, 22, 297-301.	0.8	22

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73	Polar phonon mixing in magnetoelectric EuTiO <sub>3</sub> . European Physical Journal B, 2009, 71, 429-433.	0.6	68
74	Broad-band dielectric spectroscopy and ferroelectric soft-mode response in the Ba <sub>0.6</sub> Sr <sub>0.4</sub> TiO <sub>3</sub> solid solution. Journal of Physics Condensed Matter, 2009, 21, 474215.	0.7	37
75	The negative phonon confinement effect in nanoscopic sodium nitrite. Nanotechnology, 2009, 20, 395706.	1.3	3
76	Ferroelectric and Incipient Ferroelectric Properties of a Novel Sr <sub>9</sub> xPbxCe <sub>2</sub> Ti <sub>2</sub> O <sub>36</sub> (x = 0-9) Ceramic System. Chemistry of Materials, 2009, 21, 811-819.	3.2	16
77	Infrared and THz spectroscopy of nanostructured dielectrics. Processing and Application of Ceramics, 2009, 3, 145-155.	0.4	13
78	Structural and optical characterization of Ba <sub>0.8</sub> Sr <sub>0.2</sub> TiO <sub>3</sub> PLD deposited films. Optical Materials, 2008, 30, 1017-1022.	1.7	12
79	Grain Boundary and Size Effect on the Dielectric, Infrared and Raman Response of SrTiO <sub>3</sub> Nanograin Ceramics. Ferroelectrics, 2008, 363, 227-244.	0.3	24
80	Soft Mode Behavior in Cubic and Tetragonal BaTiO <sub>3</sub> Crystals and Ceramics: Review on the Results of Dielectric Spectroscopy. Ferroelectrics, 2008, 375, 156-164.	0.3	27
81	Coexistence of the Phonon and Relaxation Soft Modes in the Terahertz Dielectric Response of Tetragonal $\text{BaTiO}_3$ . Physical Review Letters, 2008, 101, 167402.	2.9	191
82	Time-domain terahertz and infrared spectroscopy of BaTiO <sub>3</sub> "PVDF nanocomposites. Phase Transitions, 2008, 81, 1049-1057.	0.6	5
83	Terahertz dielectric response of cubic $\text{BaTiO}_3$ . Physical Review B, 2008, 77, .	1.1	125
84	Infrared and THz Soft-Mode Spectroscopy of (Ba,Sr)TiO <sub>3</sub> Ceramics. Ferroelectrics, 2008, 367, 139-148.	0.3	13
85	Raman spectroscopy and effective dielectric function in PLZT $x=40$ to $x=60$ . Journal of Physics Condensed Matter, 2008, 20, 345229.	0.7	41
86	Room temperature surface piezoelectricity in SrTiO <sub>3</sub> ceramics via piezoresponse force microscopy. Applied Physics Letters, 2008, 93, .	1.5	73
87	MICROWAVE CHARACTERIZATION OF THIN FERROELECTRIC FILMS WITHOUT ELECTRODES BY COMPOSITE DIELECTRIC RESONATOR. Integrated Ferroelectrics, 2008, 98, 53-61.	0.3	11
88	Czech Research in Ferroelectricity: Fifty-Years History and Present. Ferroelectrics, 2008, 375, 1-18.	0.3	3
89	Second harmonic generation and dielectric study of the fine and coarse grain PMN-35PT ceramics. Phase Transitions, 2008, 81, 1059-1064.	0.6	6
90	High-temperature soft phonon behaviour in PLZT 8/65/35 relaxor ferroelectrics. Phase Transitions, 2008, 81, 1005-1012.	0.6	9

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91	Guest Editorial Tribute to Professor Jan Fousek and Professor Václav Janovec. Ferroelectrics, 2008, 376, vii-viii.	0.3	0
92	Guest Editorial Tribute to Professor Jan Fousek and Professor Václav Janovec. Ferroelectrics, 2008, 375, vii-viii.	0.3	0
93	Magnetodielectric effect and optic soft mode behaviour in quantum paraelectric EuTiO <sub>3</sub> ceramics. Europhysics Letters, 2007, 80, 27002.	0.7	88
94	Quantum paraelectric behavior of pyrochlore $\text{PbMg}_{0.29}\text{Nb}_{1.71}\text{O}_6$	1.1	19
95	Relaxor-like behavior of lead-free Sr <sub>2</sub> LaTi <sub>2</sub> Nb <sub>3</sub> O <sub>15</sub> ceramics with tetragonal tungsten bronze structure. Journal of Applied Physics, 2007, 101, 054115.	1.1	29
96	Dielectric relaxation and polar phonon softening in relaxor ferroelectric PbMg <sub>1/3</sub> Ta <sub>2/3</sub> O <sub>3</sub> . Journal of Applied Physics, 2007, 102, 074106.	1.1	32
97	Dielectric anisotropy in relaxor ferroelectric Pb <sub>0.775</sub> La <sub>0.15</sub> (Zr <sub>0.4</sub> Ti <sub>0.6</sub> )O <sub>3</sub> ceramics. Applied Physics Letters, 2007, 91, 112909.	1.5	14
98	Pressure-induced changes in the optical properties of quasi-one-dimensional $\text{NaV}_2\text{O}_5$	1.1	18
99	Physi Microwave Characterization of Bulk Ferroelectrics and Relaxors using Composite Dielectric Resonator. , 2007, , .		0
100	Mechanisms of the Effect of Dopants and P(O <sub>2</sub> ) on the Improper Ferroelastic Phase Transition in SrTiO <sub>3</sub> . Chemistry of Materials, 2007, 19, 6471-6477.	3.2	31
101	Far-infrared and dielectric spectroscopy of relaxor ferroelectric (Pb <sub>1-x</sub> Lax)(Zr <sub>0.4</sub> Ti <sub>0.6</sub> )O <sub>3</sub> . Journal of Applied Physics, 2007, 101, 074106.	1.1	17
102	Infrared and terahertz studies of polar phonons and magnetodielectric effect in multiferroic BiFeO <sub>3</sub> ceramics. Physical Review B, 2007, 75, .	1.1	241
103	Far Infrared Spectroscopy of Sr <sub>1-x</sub> BaxTiO <sub>3</sub> (0.01 ≤ x ≤ 0.2) Ceramics. Ferroelectrics, 2007, 353, 70-77.	0.3	10
104	Highly tunable SrTiO <sub>3</sub> •DyScO <sub>3</sub> heterostructures for applications in the terahertz range. Applied Physics Letters, 2007, 91, .	1.5	56
105	Infrared and Raman studies of the dead grain-boundary layers in SrTiO <sub>3</sub> fine-grain ceramics. Journal of Physics Condensed Matter, 2007, 19, 196222.	0.7	35
106	Microstructural studies and electrical properties of Mg-doped SrTiO <sub>3</sub> thin films. Acta Materialia, 2007, 55, 4947-4954.	3.8	9
107	Effective Infrared Response of Inhomogeneous Ferroelectrics. Ferroelectrics, 2006, 334, 199-209.	0.3	13
108	Broad-band dielectric spectroscopy of tetragonal PLZT <sub>x</sub> /40/60. Phase Transitions, 2006, 79, 415-426.	0.6	13

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109	Infrared dielectric response of relaxor ferroelectrics. Phase Transitions, 2006, 79, 41-78.	0.6	171
110	Microwave dielectric relaxation in cubic bismuth based pyrochlores containing titanium. Journal of Applied Physics, 2006, 100, 014105.	1.1	37
111	Grain-size effect in BaTiO <sub>3</sub> ceramics: study by far infrared spectroscopy. Phase Transitions, 2006, 79, 361-373.	0.6	31
112	The giant electromechanical response in ferroelectric relaxors as a critical phenomenon. Nature, 2006, 441, 956-959.	13.7	648
113	Low-temperature microwave and THz dielectric response in novel microwave ceramics. Journal of the European Ceramic Society, 2006, 26, 1845-1851.	2.8	22
114	Grain boundary effects on dielectric, infrared and Raman response of SrTiO <sub>3</sub> nanograin ceramics. Journal of the European Ceramic Society, 2006, 26, 2855-2859.	2.8	38
115	Correlation between infrared, THz and microwave dielectric properties of vanadium doped antiferroelectric BiNbO <sub>4</sub> . Journal of the European Ceramic Society, 2006, 26, 2861-2865.	2.8	15
116	Broad-band dielectric response of PbMg <sub>1/3</sub> Nb <sub>2/3</sub> O <sub>3</sub> relaxor ferroelectrics: Single crystals, ceramics and thin films. Journal of the European Ceramic Society, 2006, 26, 2867-2875.	2.8	91
117	Grain size and grain boundary-related effects on the properties of nanocrystalline barium titanate ceramics. Journal of the European Ceramic Society, 2006, 26, 2889-2898.	2.8	190
118	Infrared and broadband dielectric spectroscopy of PZN-PMN-PSN relaxor ferroelectrics: Origin of two-component relaxation. Physical Review B, 2006, 74, .	1.1	63
119	Peculiar Features of the Dielectric Response in Lead Scandium Tantalate Pb(Sc <sub>1/2</sub> Ta <sub>1/2</sub> )O <sub>3</sub> Thin Films. Materials Research Society Symposia Proceedings, 2006, 966, 1.	0.1	0
120	In-Plane and Out-of-Plane Ferroelectric Instabilities in EpitaxialSrTiO <sub>3</sub> Films. Physical Review Letters, 2006, 96, 157602.	2.9	30
121	Publisher's Note: Dynamics of the phase transitions in Bi-layered ferroelectrics with Aurivillius structure: Dielectric response in the terahertz spectral range [Phys. Rev. B74, 134105 (2006)]. Physical Review B, 2006, 74, .	1.1	0
122	Lattice dynamics of ferroelectricPbTiO <sub>3</sub> by inelastic neutron scattering. Physical Review B, 2006, 73, .	1.1	19
123	Broad-band dielectric spectroscopy analysis of relaxational dynamics in Mn-dopedSrTiO <sub>3</sub> ceramics. Physical Review B, 2006, 73, .	1.1	81
124	Lattice dynamics of cubic PbTiO <sub>3</sub> by inelastic neutron scattering. Phase Transitions, 2006, 79, 351-359.	0.6	21
125	Anisotropic Dielectric Function in Polar Nanoregions of Relaxor Ferroelectrics. Physical Review Letters, 2006, 96, 027601.	2.9	56
126	Dynamics of the phase transitions in Bi-layered ferroelectrics with Aurivillius structure: Dielectric response in the terahertz spectral range. Physical Review B, 2006, 74, .	1.1	27



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127	On the Effective Permittivity of Grainy Systems. <i>Ferroelectrics</i> , 2006, 333, 227-231.	0.3	17
128	Microwave and infrared dielectric response of monoclinic bismuth zinc niobate based pyrochlore ceramics with ion substitution in A site. <i>Journal of Applied Physics</i> , 2006, 100, 034109.	1.1	32
129	Infrared spectroscopy of $\text{KTa}_{1-x}\text{Nb}_x\text{O}_3$ crystals. <i>Journal of Physics Condensed Matter</i> , 2005, 17, L265-L270.	0.7	18
130	Raman and AFM piezoresponse study of dense $\text{BaTiO}_3$ nanocrystalline ceramics. <i>Journal of the European Ceramic Society</i> , 2005, 25, 3059-3062.	2.8	85
131	Soft-mode spectroscopy of $\text{BaTiO}_3$ thin films. <i>Journal of the European Ceramic Society</i> , 2005, 25, 3063-3067.	2.8	11
132	Dielectric spectra of a new relaxor ferroelectric system $\text{Ba}_2\text{LnTi}_2\text{Nb}_3\text{O}_{15}$ (Ln=La, Nd). <i>Journal of the European Ceramic Society</i> , 2005, 25, 3069-3073.	2.8	26
133	Soft and central mode behaviour in $\text{PbMg}_{1/3}\text{Nb}_{2/3}\text{O}_3$ relaxor ferroelectric. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 3965-3974.	0.7	91
134	Infrared and terahertz dielectric spectra of novel $\text{Bi}_2\text{O}_3\text{-Nb}_2\text{O}_5$ microwave ceramics. <i>Journal of the European Ceramic Society</i> , 2005, 25, 3085-3088.	2.8	18
135	Positron annihilation lifetime studies of $\text{SrTiO}_3$ crystal and ceramic materials. <i>European Physical Journal Special Topics</i> , 2005, 128, 111-114.	0.2	4
136	Comparison of the Dielectric Response of Relaxor $\text{PbMg}_{1/3}\text{Nb}_{2/3}\text{O}_3$ Ceramics and Single Crystals. <i>Integrated Ferroelectrics</i> , 2005, 69, 3-10.	0.3	9
137	Infrared and dielectric spectroscopy of the relaxor ferroelectric $\text{Sr}_{0.61}\text{Ba}_{0.39}\text{Nb}_2\text{O}_6$ . <i>Journal of Physics Condensed Matter</i> , 2005, 17, 653-666.	0.7	54
138	Broad-Band Dielectric Spectroscopy of Relaxor Ferroelectric $\text{Sr}_{0.61}\text{Ba}_{0.39}\text{Nb}_2\text{O}_6$ . <i>Ferroelectrics</i> , 2005, 318, 133-140.	0.3	3
139	Far-infrared soft-mode behavior in $\text{PbSc}_{1-x}\text{Ta}_x\text{O}_3$ thin films. <i>Journal of Applied Physics</i> , 2005, 98, 074103.	1.1	30
140	Effective Dielectric Function in High-Permittivity Ceramics and Films. <i>Ferroelectrics</i> , 2005, 316, 89-95.	0.3	17
141	Electro-optic properties of $\text{KNN}\text{-STO}$ lead-free ceramics. <i>Journal Physics D: Applied Physics</i> , 2005, 38, 679-681.	1.3	26
142	Lattice dynamics and dielectric response of Mg-doped $\text{SrTiO}_3$ ceramics in a wide frequency range. <i>Journal of Applied Physics</i> , 2005, 97, 044104.	1.1	39
143	High frequency dielectric properties of $\text{CaTiO}_3$ -based microwave ceramics. <i>Journal Physics D: Applied Physics</i> , 2005, 38, 741-748.	1.3	42
144	Broad-Band Dielectric Spectroscopy of $\text{PZN-8\%PT}$ Single Crystal. <i>Ferroelectrics</i> , 2005, 318, 179-183.	0.3	9

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145	Dynamics of polar clusters in relaxor ferroelectrics. European Physical Journal Special Topics, 2005, 128, 121-126.	0.2	3
146	High-temperature phase transitions in SrBi <sub>2</sub> Ta <sub>2</sub> O <sub>9</sub> film: a study by THz spectroscopy. Journal of Physics Condensed Matter, 2004, 16, 6763-6769.	0.7	10
147	Time-Domain Terahertz Spectroscopy of SrBi <sub>2</sub> Ta <sub>2</sub> O <sub>9</sub> . Ferroelectrics, 2004, 300, 125-129.	0.3	6
148	Broad-band dielectric spectroscopy of SrTiO <sub>3</sub> :Bicermamics. Physical Review B, 2004, 69, .	1.1	33
149	Soft-Mode Study in Li-Doped KTaO <sub>3</sub> . Ferroelectrics, 2004, 302, 195-197.	0.3	13
150	Dielectric Spectra of Grainy High-Permittivity Materials. Ferroelectrics, 2004, 303, 137-140.	0.3	42
151	Structural and Dielectric Properties of Mg-Doped Strontium Titanate Ceramics: Dependence on the Materials Processing. Materials Science Forum, 2004, 455-456, 40-44.	0.3	1
152	Temperature Dependence of Microwave and THz Dielectric Response in Sr <sub>n</sub> + 1Ti <sub>n</sub> O <sub>3n</sub> + 1 (n = 1-4). Integrated Ferroelectrics, 2004, 62, 199-203.	0.3	11
153	Low-Temperature Dielectric Response of Relaxor Ferroelectrics and Related Disordered Materials. Ferroelectrics, 2004, 302, 241-245.	0.3	0
154	Effect of Doping on the Dielectric Properties of Cerium Oxide in the Microwave and Far-Infrared Frequency Range. Journal of the American Ceramic Society, 2004, 87, 1233-1237.	1.9	116
155	Broad-band dielectric response of doped incipient ferroelectrics. Journal of the European Ceramic Society, 2004, 24, 1545-1549.	2.8	16
156	Far-Infrared and Raman Spectroscopy of BaTiO <sub>3</sub> Thin Films. Ferroelectrics, 2004, 303, 173-175.	0.3	6
157	Central-Peak Components and Polar Soft Mode in Relaxor PbMg <sub>1/3</sub> Nb <sub>2/3</sub> O <sub>3</sub> Crystals. Ferroelectrics, 2004, 298, 23-30.	0.3	87
158	Dielectric Permittivity Study of KTaO <sub>3</sub> Weakly Doped by <sup>6</sup> Li Isotope. Ferroelectrics, 2004, 302, 203-206.	0.3	1
159	Relationship between microwave and lattice vibration properties in Ba(Zn <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -based microwave dielectric ceramics. Journal Physics D: Applied Physics, 2004, 37, 1980-1986.	1.3	61
160	Lattice Dynamics and Central-Mode Phenomena in the Dielectric Response of Ferroelectrics and Related Materials. Ferroelectrics, 2004, 308, 131-192.	0.3	113
161	Lattice dynamics in PbMg <sub>1/3</sub> Nb <sub>2/3</sub> O <sub>3</sub> . Physical Review B, 2004, 70, .	1.1	102
162	Ferroelectric properties of dense nanocrystalline BaTiO <sub>3</sub> ceramics. Nanotechnology, 2004, 15, 1113-1117.	1.3	140

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163	Infrared, Raman and high-frequency dielectric spectroscopy and the phase transitions in $\text{Na}_{1/2}\text{Bi}_{1/2}\text{TiO}_3$ . <i>Journal of Physics Condensed Matter</i> , 2004, 16, 2719-2731.	0.7	153
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