Yuji Noguchi

List of Publications by Year in Descending Order

200 papers	4,897 citations	37 h-index	65 g-index
209 ext. papers	5,283 ext. citations	2.1 avg, IF	5.54 L-index

#	Paper	IF	Citations
200	Order-disorder nature and elastic anomaly of successive phase transition of (K0.5Na0.5)NbO3 proved by broadband Brillouin scattering. *Ferroelectrics*, **2022**, 586, 2-9	0.6	
199	Defect chemistry in perovskite ferroelectrics：history, present status, and future prospects． *Journal of the Ceramic Society of Japan*, **2021**, 129, 271-285	1	1
198	Ferroelectric photovoltaic tensor in visible-light-active Fe-doped BaTiO3 single crystals. *Japanese Journal of Applied Physics*, **2021**, 60, SFFA01	1.4	0
197	Lattice engineering by Sr-substitution leads to high piezoelectric performance of (SrxCa1-x)3TaAl3Si2O14 single crystals. *Journal of Alloys and Compounds*, **2021**, 851, 156860	5.7	1
196	Domain-wall photovoltaic effect in Fe-doped BaTiO3 single crystals. *Journal of Applied Physics*, **2021** , 129, 084101	2.5	2
195	Polarization and Dielectric Properties of BiFeO-BaTiO Superlattice-Structured Ferroelectric Films. *Nanomaterials*, **2021**, 11,	5.4	2
194	Nanoscale structural analysis of Bi0.5Na0.5TiO3 in high-temperature phases. *Japanese Journal of Applied Physics*, **2021**, 60, SFFA08	1.4	0
193	Enhanced photovoltaic effects in ferroelectric solid solution thin films with nanodomains. *Applied Physics Letters*, **2020**, 116, 132901	3.4	8
192	Nanoscale structural analysis of Bi0.5Na0.5TiO3. *Japanese Journal of Applied Physics*, **2020**, 59, SPPA01	1.4	10
191	Successive redox-mediated visible-light ferrophotovoltaics. *Nature Communications*, **2020**, 11, 966	17.4	14
190	Visualization of spontaneous electronic polarization in Pb ion of ferroelectric PbTiO3 by synchrotron-radiation x-ray diffraction. *Applied Physics Letters*, **2020**, 117, 252905	3.4	6
189	Nanoscale structural analysis pf Pb(MgNb)O. *Journal of Physics Condensed Matter*, **2020**,	1.8	1
188	Local structure analysis of PbTiO3 in high-temperature cubic phase. *Ferroelectrics*, **2019**, 538, 57-62	0.6	3
187	Ferroelectrics with a controlled oxygen-vacancy distribution by design. *Scientific Reports*, **2019**, 9, 4225	4.9	23
186	Ferrielectric-mediated morphotropic phase boundaries in Bi-based polar perovskites. *Scientific Reports*, **2019**, 9, 4087	4.9	6
185	Composition-driven structural variation in ferrielectric phase of (Bi1/2Na1/2)TiO3-Ba(Mg1/3Nb2/3)O3. *Japanese Journal of Applied Physics*, **2019**, 58, SLLA04	1.4	1
184	Uncovering ferroelectric polarization in tetragonal (BiK)TiO-(BiNa)TiO single crystals. *Scientific Reports*, **2019**, 9, 19275	4.9	2

183	Development of Novel Ferroelectric Materials **2018**, 651-654		
182	Control of misfit strain in ferroelectric BaTiO3 thin-film capacitors with SrRuO3-based electrodes on (Ba, Sr)TiO3-buffered SrTiO3 substrates. *Applied Physics Letters*, **2018**, 113, 012903	3.4	7
181	Successive phase transition of lead-free ferroelectric sodium potassium niobate crystals studied by Raman scattering. *Ferroelectrics*, **2018**, 532, 183-189	0.6	2
180	Crystal structure and ferroelectric polarization of tetragonal (Bi1/2Na1/2)TiO3–2BaTiO3. *Japanese Journal of Applied Physics*, **2018**, 57, 11UD05	1.4	4
179	Fabrication and characterization of (Ba, Sr)RuO3 ceramic targets and thin films for ferroelectric BaTiO3 thin-film capacitors. *AIP Advances*, **2018**, 8, 115135	1.5	1
178	Piezoelectric Ca3TaAl3Si2O14 (CTAS): High quality 2-in. single-crystal growth and electro-elastic properties from room to high (650 °C) temperature. *Journal of Crystal Growth*, **2018**, 501, 38-42	1.6	5
177	Gap-state engineering of visible-light-active ferroelectrics for photovoltaic applications. *Nature Communications*, **2017**, 8, 207	17.4	91
176	Resistivity and piezoelectric properties of Ca3TaGa1.5Al1.5Si2O14 single crystals for high temperature sensors. *RSC Advances*, **2017**, 7, 56697-56703	3.7	2
175	Enhanced polarization properties of ferroelectric (Bi1/2Na1/2)TiO3–Ba(Mg1/3Nb2/3)O3 single crystals grown under high-pressure oxygen atmosphere. *Journal of the Ceramic Society of Japan*, **2017**, 125, 463-467	1	2
174	Influence of growth conditions on the optical, electrical resistivity and piezoelectric properties of Ca3TaGa3Si2O14 single crystals. *Journal of the Ceramic Society of Japan*, **2016**, 124, 523-527	1	14
173	Strong interaction between ferroelectric polarization and oxygen vacancy in BiFeO3 thin film capacitors. *Journal of the Ceramic Society of Japan*, **2016**, 124, 634-638	1	6
172	Influence of Oxygen Partial Pressure during Growth on Optical and Electrical Properties of Ca3TaAl3Si2O14 Single Crystals. *Crystal Growth and Design*, **2016**, 16, 2151-2156	3.5	13
171	Photon energy dependence of photovoltaic properties in ferroelectric BiFeO3 thin-film capacitors. *Transactions of the Materials Research Society of Japan*, **2016**, 41, 201-204	0.2	
170	Electronic Origin of Defect States in Fe-Doped LiNbO3Ferroelectrics. *Advances in Condensed Matter Physics*, **2016**, 2016, 1-10	1	11
169	Temperature dependence of electrical resistivity, dielectric and piezoelectric properties of Ca3TaGa3−xAlxSi2O14 single crystals as a function of Al content. *Journal of Alloys and Compounds*, **2016**, 687, 797-803	5.7	9
168	Bulk and domain-wall effects in ferroelectric photovoltaics. *Physical Review B*, **2016**, 94,	3.3	32
167	Polarization twist in perovskite ferrielectrics. *Scientific Reports*, **2016**, 6, 32216	4.9	21
166	Cooperative effect of oxygen-vacancy-rich layer and ferroelectric polarization on photovoltaic properties in BiFeO3 thin film capacitors. *Applied Physics Letters*, **2016**, 108, 032901	3.4	32

165	Enhanced polarization properties of ferrielectric AgNbO3single crystals grown by Czochralski method under high-pressure oxygen atmosphere. *Japanese Journal of Applied Physics*, **2016**, 55, 10TB03	1.4	3
164	Crystal structure and polarization hysteresis properties of ferroelectric BaTiO3thin-film capacitors on (Ba,Sr)TiO3-buffered substrates. *Japanese Journal of Applied Physics*, **2016**, 55, 10TA03	1.4	4
163	Local polarization switching in epitaxial thin films of ferroelectric (Bi1/2Na1/2)TiO3Peer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. *Journal of Asian Ceramic Societies*, **2015**, 3, 160-163	2.4	7
162	Ferrielectric phase in the (Bi1/2Na1/2)TiO3Ba(Mg1/3Nb2/3)O3system. *Japanese Journal of Applied Physics*, **2015**, 54, 10NC05	1.4	10
161	Heavy Mn-doping effect on spontaneous polarization in ferroelectric BiFeO3thin films. *Japanese Journal of Applied Physics*, **2015**, 54, 10NA03	1.4	18
160	Switchable diode-effect mechanism in ferroelectric BiFeO3 thin film capacitors. *Journal of Applied Physics*, **2015**, 118, 114101	2.5	33
159	Giant photovoltaic effect of ferroelectric domain walls in perovskite single crystals. *Scientific Reports*, **2015**, 5, 14741	4.9	52
158	Enhanced photovoltaic currents in strained Fe-doped LiNbO3 films. *Physica Status Solidi (A) Applications and Materials Science*, **2015**, 212, 2968-2974	1.6	18
157	Electrical conduction mechanism in BiFeO3-based ferroelectric thin-film capacitors: Impact of Mn dopingPeer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. *Journal of Asian Ceramic Societies*, **2015**, 3, 426-431	2.4	11
156	Non-180°polarization rotation of ferroelectric (Bi0.5Na0.5)TiO3 single crystals under electric field. *Physical Review B*, **2014**, 89,	3.3	28
155	Polarization properties and crystal structures of ferroelectric (Ba,Ca)TiO3 single crystals. *Journal of Advanced Dielectrics*, **2014**, 04, 1450003	1.3	6
154	Polarization degradation and oxygen-vacancy rearrangement in Mn-doped BaTiO3 ferroelectrics ceramics. *Journal of the Ceramic Society of Japan*, **2014**, 122, 373-380	1	6
153	Polarization Rotation and Monoclinic Distortion in Ferroelectric (Bi0.5Na0.5)TiO3BaTiO3 Single Crystals under Electric Fields. *Crystals*, **2014**, 4, 273-295	2.3	21
152	Polarization-switching dynamics and microstructures of ferroelectric (Bi0.5Na0.5)TiO3 single crystals. *Journal of the Korean Physical Society*, **2013**, 62, 1035-1040	0.6	2
151	Synchrotron radiation analyses of domain switching behaviors for ferroelectric BaTiO3 single crystals under electric fields. *Journal of the Korean Physical Society*, **2013**, 62, 1046-1050	0.6	
150	Enhanced polarization switching in ferroelectric Bi0.5Na0.5TiO3 single crystals by defect control. *Physica Status Solidi (A) Applications and Materials Science*, **2013**, 210, 791-795	1.6	6
149	Crystal Structures and Surface Morphologies of LaGaO3-Based Epitaxial Thin Films Grown by a Pulse Laser Deposition Method. *Key Engineering Materials*, **2013**, 582, 153-156	0.4	1
148	Damped soft phonons and diffuse scattering in (Bi1/2Na1/2)TiO3. *Physical Review B*, **2013**, 87,	3.3	28

147	Synchrotron Radiation Analyses of Domain Switching and Lattice Strain Behaviors for Ferroelectric (Bi0.5Na0.5)TiO3 Single Crystals under Electric Fields. *Ferroelectrics*, **2013**, 443, 1-7	0.6	7
146	Leakage Current and Polarization Properties of (Bi0.5Na0.5)TiO3-BaTiO3 Single Crystals. *Key Engineering Materials*, **2013**, 582, 96-99	0.4	1
145	Growth and Ferroelectric/Piezoelectric Properties of (K,Na)(Nb,Ta)O3 Ferroelectric Single Crystals. *Key Engineering Materials*, **2013**, 566, 64-67	0.4	2
144	Domain Dynamics under Unipolar Electric Fields for BaTiO3 Single Crystals. *Key Engineering Materials*, **2013**, 582, 40-43	0.4	
143	Crystal Structural Analyses of Ferrielectric Tetragonal (Bi1/2Na1/2)TiO3%BaTiO3Powders and Single Crystals. *Japanese Journal of Applied Physics*, **2013**, 52, 09KD01	1.4	21
142	Polarization Switching Dynamics of Ferroelectric (Bi0.5Na0.5)TiO3 Single Crystals. *Key Engineering Materials*, **2013**, 582, 51-54	0.4	
141	Ferroelectric Properties and Domain Clamping of (Bi0.5Na0.5)TiO3 Single Crystals Grown under High-Oxygen-Pressure Atmosphere. *Key Engineering Materials*, **2013**, 566, 29-33	0.4	1
140	Crystal Growth and Characterization of (Bi0.5Na0.5)TiO3-BaTiO3 Single Crystals Obtained by the Top-Seeded Solution Growth Method under High-Pressure Oxygen Atmosphere. *Key Engineering Materials*, **2013**, 566, 25-28	0.4	
139	Photocurrent Characteristics of Mn-Doped Barium Titanate Ferroelectric Single Crystals. *Japanese Journal of Applied Physics*, **2013**, 52, 09KF03	1.4	16
138	Synchrotron radiation analyses of lattice strain behaviors for rhombohedral Pb(Zn1/3Nb2/3)O3PbTiO3 single crystals under electric fields. *Journal of the Ceramic Society of Japan*, **2013**, 121, 632-637	1	6
137	Observation of a low-symmetry phase in Na0.5Bi0.5TiO3crystals by optical birefringence microscopy. *Journal of Applied Crystallography*, **2012**, 45, 444-452	3.8	47
136	Electronic and local structures of Mn-doped BiFeO3 crystals. *Physical Review B*, **2012**, 86,	3.3	53
135	Evaluation methods for properties of nanostructured body **2012**, 317-383		
134	Laser beam scanning microscope and piezoresponse force microscope studies on domain structured in 001-, 110-, and 111-oriented NaNbO3 films. *Journal of Applied Physics*, **2012**, 112, 052007	2.5	23
133	Clamping of Non-180Domain Walls in Bi-Based Ferroelectric Single Crystals. *Transactions of the Materials Research Society of Japan*, **2012**, 37, 69-72	0.2	
132	(Invited) High-Temperature-Operating Dielectrics of Perovskite Oxides. *ECS Transactions*, **2012**, 45, 195-207		4
131	Elastic and Piezoelectric Properties of High-Quality Ferroelectric Bi$_{4}$Ti$_{3}$O$_{12}$ Single Crystals. *Japanese Journal of Applied Physics*, **2012**, 51, 09LD08	1.4	5
130	Defect Control and Properties in Bismuth Layer Structured Ferroelectric Single Crystals **2012**, 405-459		3

129	Lattice-Defect Control for High-Performance Bismuth-Based Ferroelectric/Piezoelectric Crystals. *Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy*, **2012**, 59, 22-28	0.2	
128	High electro-optic kerr effect in (Bi,K,Na)TiO3 relaxor single crystals. *Journal of the Ceramic Society of Japan*, **2012**, 120, 613-615	1	3
127	Elastic and Piezoelectric Properties of High-Quality Ferroelectric Bi4Ti3O12Single Crystals. *Japanese Journal of Applied Physics*, **2012**, 51, 09LD08	1.4	3
126	Ferroelectric Properties and Domain Structures of (Bi0.5K0.5)TiO3-BiFeO3 Ceramics. *Transactions of the Materials Research Society of Japan*, **2011**, 36, 285-288	0.2	4
125	Ferroelectric Polarization Properties in High-Performance Bismuth Sodium Titanate Single Crystals. *Key Engineering Materials*, **2011**, 485, 7-10	0.4	1
124	Synchrotron Radiation Study on Time-Resolved Tetragonal Lattice Strain of BaTiO$_{3}$ under Electric Field. *Japanese Journal of Applied Physics*, **2011**, 50, 09NE05	1.4	22
123	Nanoscale Characterization of Domain Structures in Bi$_{4}$Ti$_{3}$O$_{12}$ Single Crystals Using Near-Field Raman Spectroscopy. *Japanese Journal of Applied Physics*, **2011**, 50, 09NE10	1.4	3
122	Crystal Growth and Characterization of (Bi$_{0.5}$Na$_{0.5}$)TiO$_{3}$–BaTiO$_{3}$ Single Crystals Obtained by a Top-Seeded Solution Growth Method under High-Pressure Oxygen Atmosphere. *Japanese Journal of Applied Physics*, **2011**, 50, 09NE07	1.4	23
121	ENHANCED PIEZOELECTRIC PROPERTIES IN (Bi0.5K0.5)TiO3–(Bi0.5Na0.5)TiO3 FERROELECTRIC SINGLE CRYSTALS. *Journal of Advanced Dielectrics*, **2011**, 01, 63-69	1.3	7
120	High-Performance Ferroelectric Bi0.5Na0.5TiO3 Single Crystals Grown by Top-Seeded Solution Growth Method under High-Pressure Oxygen Atmosphere. *Ferroelectrics*, **2011**, 414, 24-29	0.6	16
119	Ferroelectric and Piezoelectric Properties of Bi4Ti3O12 Single Crystals Grown by Top-Seeded Solution Growth Method at High Oxygen Pressure. *Key Engineering Materials*, **2011**, 485, 73-76	0.4	1
118	Synchrotron Radiation Study on Time-Resolved Tetragonal Lattice Strain of BaTiO3under Electric Field. *Japanese Journal of Applied Physics*, **2011**, 50, 09NE05	1.4	8
117	Crystal Growth and Characterization of (Bi0.5Na0.5)TiO3–BaTiO3Single Crystals Obtained by a Top-Seeded Solution Growth Method under High-Pressure Oxygen Atmosphere. *Japanese Journal of Applied Physics*, **2011**, 50, 09NE07	1.4	7
116	Nanoscale Characterization of Domain Structures in Bi4Ti3O12Single Crystals Using Near-Field Raman Spectroscopy. *Japanese Journal of Applied Physics*, **2011**, 50, 09NE10	1.4	2
115	Crystal Growth and Ferroelectric Properties in Bi0.5K0.5TiO3-Bi0.5Na0.5TiO3 Crystals. *Key Engineering Materials*, **2010**, 445, 7-10	0.4	4
114	Materials Design and Characterization of (Bi1/2Na1/2)TiO3-Bi(B,B')O3 Ceramics. *Key Engineering Materials*, **2010**, 445, 59-62	0.4	2
113	Structural and piezoelectric properties of high-density (Bi0.5K0.5)TiO3–BiFeO3 ceramics. *Journal of Applied Physics*, **2010**, 108, 104103	2.5	65
112	Polarization and Piezoelectric Properties of High Performance Bismuth Sodium Titanate Single Crystals Grown by High-Oxygen-Pressure Flux Method. *Japanese Journal of Applied Physics*, **2010**, 49, 09MD09	1.4	27

111	Ferroelectric Phase Transition and Photoinduced Cooperative Phenomena in Bi-Layered Perovskite Pb2Bi4Ti5O18Ceramics Studied by Brillouin Scattering. *Japanese Journal of Applied Physics*, **2010**, 49, 09ME05	1.4	3
110	High-Performance Ferroelectric Bi4Ti3O12Single Crystals Grown by Top-Seeded Solution Growth Method under High-Pressure Oxygen Atmosphere. *Japanese Journal of Applied Physics*, **2010**, 49, 09MC06	1.4	27
109	Photoinduced Effect in Quasi-Longrange Ferroelectric Fluctuation on Bismuth Layered Perovskites BaBi4Ti4O15. *Ferroelectrics*, **2010**, 411, 44-51	0.6	1
108	Microstructures Related to Ferroelectric Properties in (Bi0.5K0.5)TiO3-BiFeO3. *Japanese Journal of Applied Physics*, **2010**, 49, 09MC05	1.4	17
107	Defect control for polarization switching in BiFeO3 single crystals. *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*, **2010**, 57, 2233-6	3.2	24
106	Effect of Mn doping on the leakage current and polarization properties in K0.14Na0.86NbO3 ferroelectric single crystals. *Journal of the Ceramic Society of Japan*, **2010**, 118, 711-716	1	23
105	Polarization and leakage current properties of bismuth sodium titanate ceramic films deposited by aerosol deposition method. *Journal of the Ceramic Society of Japan*, **2010**, 118, 899-902	1	12
104	Oxygen-vacancy-induced 90° domain clamping in ferroelectric Bi4Ti3O12 single crystals. *Physical Review B*, **2010**, 81,	3.3	86
103	Polarization and piezoelectric properties of grain-oriented ferroelectric Bi5FeTi3O15 ceramics prepared by magnetic-field-assisted electrophoretic deposition method. *Journal of Electroceramics*, **2010**, 24, 91-96	1.5	6
102	Observation of octahedral tilted in Sr0.5TaO3 prepared by nanosheet processing: An EXAFS study. *Journal of Alloys and Compounds*, **2009**, 486, 78-82	5.7	3
101	Ferroelectric Properties and Nano-Scaled Domain Structures in (1-x)BiFeO3-xBaTiO3 (0.33 Ferroelectrics, **2009**, 385, 6155-6161	0.6	53
100	Electric-field-induced giant strain in Bi0.5Na0.5TiO3-based single crystals: Influence of high-oxygen-pressure annealing. *Journal of the Ceramic Society of Japan*, **2009**, 117, 32-36	1	8
99	Behaviors of 90° and 180° Domain Walls under c-axis Polarization Switching in Ferroelectric Bi4Ti3O12 Single Crystals. *Transactions of the Materials Research Society of Japan*, **2009**, 34, 27-30	0.2	
98	Polarization and piezoelectric properties of high-quality (Bi,Na)TiO3 crystals grown by high-oxygen-pressure flux method. *Transactions of the Materials Research Society of Japan*, **2009**, 34, 31-34	0.2	
97	Crystal structure and Polarization properties of ferroelectric Bi4-xLaxTi3O12 single crystals. *Journal of the Korean Physical Society*, **2009**, 55, 862-868	0.6	2
96	Crystal Growth and Ferroelectric Properties of Superlattice-Structured Bi4Ti3O12-PbBi4Ti4O15 Single Crystals. *Key Engineering Materials*, **2008**, 388, 237-240	0.4	
95	Effects of Oxygen Annealing on Dielectric Properties of LuFeCuO4. *Japanese Journal of Applied Physics*, **2008**, 47, 8464-8467	1.4	10
94	Large electric-field-induced strain in Bi0.5Na0.5TiO3-Bi0.5K0.5TiO3 solid solution single crystals. *Applied Physics Letters*, **2008**, 93, 242903	3.4	46

93	Crystal structure and defect control in Bi 4 Ti 3 O 12 -based layered ferroelectric single crystals **2008**, 1006-1032		
92	Crystal Growth and Ferroelectric Properties in Bi0.5Na0.5TiO3BaTiO3 Crystals. *Key Engineering Materials*, **2008**, 388, 241-244	0.4	3
91	Grain-Orientation Control of Bi5FeTi3O15 Ceramics Prepared by Magnetic-Field-Assisted Electrophoretic Deposition Method. *Key Engineering Materials*, **2008**, 388, 205-208	0.4	1
90	High-Performance Bi0.5Na0.5TiO3Single Crystals Grown by High-Oxygen-Pressure Flux Method. *Japanese Journal of Applied Physics*, **2008**, 47, 7623-7629	1.4	62
89	Enhanced piezoelectric properties of grain-oriented Bi4Ti3O12BaBi4Ti4O15 ceramics obtained by magnetic-field-assisted electrophoretic deposition method. *Journal of Applied Physics*, **2008**, 104, 014102	2.5	15
88	Ferroelectric polarization and piezoelectric properties of layer-structured K0.5Bi4.5Ti4O15 single crystals. *Applied Physics Letters*, **2008**, 93, 032904	3.4	32
87	Giant strain in lead-free (Bi0.5Na0.5)TiO3-based single crystals. *Applied Physics Letters*, **2008**, 92, 182905	3.4	111
86	High-quality single crystal growth of Bi-based perovskite ferroelectrics based on defect chemistry. *Journal of the Ceramic Society of Japan*, **2008**, 116, 994-1001	1	25
85	Switching properties and domain dynamics of the c-axis polarization in monoclinic Bi4Ti3O12 single crystals. *Transactions of the Materials Research Society of Japan*, **2008**, 33, 19-22	0.2	
84	Ferroelectric distortion and electronic structure in Bi4Ti3O12. *Journal of Electroceramics*, **2008**, 21, 49-54	1.5	11
83	Shrinking Behavior of Surfactant-Grafted Thermosensitive Gels and the Mechanism of Rapid Shrinking. *Macromolecular Rapid Communications*, **2008**, 29, 897-903	4.8	25
82	Metastable Sr0.5TaO3 Perovskite Oxides Prepared by Nanosheet Processing. *European Journal of Inorganic Chemistry*, **2008**, 2008, 5471-5475	2.3	33
81	Microstructures related to the ferroelectric properties in BiFeO3-BaTiO3. *Transactions of the Materials Research Society of Japan*, **2008**, 33, 27-30	0.2	6
80	Effects of Oxygen Pressure during Crystal Growth on the Polarization Properties in Bi4Ti3O12 Single Crystals. *Transactions of the Materials Research Society of Japan*, **2008**, 33, 53-56	0.2	
79	Defect Control for Superior Properties in K0.5Na0.5NbO3 Single Crystals. *Key Engineering Materials* , **2007**, 350, 85-88	0.4	24
78	Effects of Defect Control on the Polarization Properties in Bi2WO6-Based Single Crystals. *Ferroelectrics*, **2007**, 355, 55-60	0.6	16
77	Defects and Leakage Current in PbTiO3 Single Crystals. *Key Engineering Materials*, **2007**, 350, 77-80	0.4	1
76	Observation of phonons in multiferroic BiFeO(3) single crystals by Raman scattering. *Journal of Physics Condensed Matter*, **2007**, 19, 365224	1.8	48

75	3D Domain Structure in Bi4Ti3O12 Crystals Observed by Using Piezoresponse Force Microscopy. *Advanced Materials*, **2007**, 19, 2552-2555	24	47
74	Raman scattering study of multiferroic BiFeO3 single crystal. *Journal of Magnetism and Magnetic Materials*, **2007**, 310, e367-e369	2.8	155
73	Effects of Mn doping on the polarization and leakage current properties in Bi4Ti3O12 single crystals. *Journal of the European Ceramic Society*, **2007**, 27, 4081-4084	6	21
72	Electrical Properties of Superlattice-Structured Bi4Ti3O12PbBi4Ti4O15 Single Crystals. *Journal of the American Ceramic Society*, **2007**, 90, 2814-2818	3.8	3
71	Electric-Field-Stabilized Ferroelastic Domain Walls in Monoclinic Bi4Ti3O12Crystals. *Japanese Journal of Applied Physics*, **2007**, 46, 7028-7030	1.4	16
70	High-oxygen-pressure crystal growth of ferroelectric Bi4Ti3O12 single crystals. *Applied Physics Letters*, **2007**, 91, 162909	3.4	53
69	Field-induced strain behavior for potassium sodium bismuth titanate ceramics. *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*, **2007**, 54, 2516-22	3.2	8
68	Ferroelectric domain structure and c-axis polarization switching in monoclinic Bi4Ti3O12 single crystals. *Applied Physics Letters*, **2007**, 90, 202904	3.4	18
67	Domain Dynamics of C-Axis Polarization in Bismuth Titanate Crystals. *Key Engineering Materials*, **2007**, 350, 69-72	0.4	1
66	Ferroelectric Distortion in Bi4Ti3O12 Studied by Neutron Powder Diffraction. *Key Engineering Materials*, **2007**, 350, 65-68	0.4	1
65	Synthesis of Complex Perovskite Oxides via Nanosheets Process. *Key Engineering Materials*, **2007**, 350, 55-58	0.4	
64	Direct observation of oxygen stabilization in layered ferroelectric Bi3.25La0.75Ti3O12. *Applied Physics Letters*, **2007**, 91, 062913	3.4	33
63	Influence of Oxygen Vacancies on the Polarization Properties in Bi4Ti3O12 Ferroelectric Single Crystals. *Key Engineering Materials*, **2006**, 320, 19-22	0.4	5
62	Photoconducting Properties in Oxygen-Deficient Bi4Ti3O12. *Key Engineering Materials*, **2006**, 301, 7-10	0.4	
61	Crystal Growth and Electric-Field-Induced Strain in Bi0.5Na0.5TiO3 Crystals. *Key Engineering Materials*, **2006**, 320, 35-38	0.4	6
60	Influence of Annealing on Domain Structures of Bismuth-Titanate-Based Crystals. *Key Engineering Materials*, **2006**, 320, 27-30	0.4	2
59	Giant Polarization Properties of Ba-Based Bismuth Layer-Structured Ferroelectrics. *Key Engineering Materials*, **2006**, 301, 3-6	0.4	2
58	Defect control for low leakage current in K0.5Na0.5NbO3 single crystals. *Applied Physics Letters*, **2006**, 89, 142910	3.4	180

57	Defect control for polarization switching in Bi2WO6-based single crystals. *Applied Physics Letters*, **2006**, 89, 242916	3.4	34
56	High-Quality Lead-Free Ferroelectric Ceramics Prepared from the Flash-Creation-Method-Derived Nanopowder. *Journal of the Ceramic Society of Japan*, **2006**, 114, 97-101		21
55	OY-TES-1 expression and serum immunoreactivity in epithelial ovarian cancer **2006**, 29, 903		3
54	Polarization properties and oxygen-vacancy distribution of SrBi2Ta2O9 ceramics modified by Ce and Pr. *Journal of the European Ceramic Society*, **2005**, 25, 2477-2482	6	38
53	Impact of Defect Control on the Polarization Properties in Bi4Ti3O12Ferroelectric Single Crystals. *Japanese Journal of Applied Physics*, **2005**, 44, L570-L572	1.4	97
52	Oxygen Stability and Leakage Current Mechanism in Ferroelectric La-Substituted Bi4Ti3O12Single Crystals. *Japanese Journal of Applied Physics*, **2005**, 44, 6998-7002	1.4	83
51	Observation of ferroelectric domains in bismuth-layer-structured ferroelectrics using Raman spectroscopy. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2005**, 120, 95-99	3.1	9
50	Electrophoretic deposition of lead zirconate titanate (PZT) powder from ethanol suspension prepared with phosphate ester. *Science and Technology of Advanced Materials*, **2005**, 6, 927-932	7.1	28
49	Effects of Nd substitution on the polarization properties and electronic structures of bismuth titanate single crystals. *Materials Research Bulletin*, **2005**, 40, 1044-1051	5.1	49
48	Design of Surfactant-Grafted Hydrogels with Fast Response to Temperature. *Macromolecular Rapid Communications*, **2005**, 26, 1913-1917	4.8	40
47	Correlation between displacive-type ferroelectricity and electronic density of states near the Fermi level in SrBi2Ta2O9. *Physica Status Solidi (B): Basic Research*, **2005**, 242, 899-908	1.3	3
46	Enhanced spontaneous polarization in superlattice-structured Bi4Ti3O12BaBi4Ti4O15 single crystals. *Applied Physics Letters*, **2005**, 86, 012907	3.4	58
45	Electronic Structure in Valence Band of Nd-Substituted Bi4Ti3O12Single Crystal Probed by Soft-X-Ray Emission Spectroscopy. *Japanese Journal of Applied Physics*, **2005**, 44, L1491-L1493	1.4	7
44	Domain Proving of Ferroelectric Crystals. *Hyomen Kagaku*, **2005**, 26, 208-214		5
43	Oxygen Vacancy Migration and Dispersive Photoconductivity in Bi4Ti3O12-d. *Japanese Journal of Applied Physics*, **2004**, 43, 6649-6652	1.4	6
42	Cation-vacancy-induced low coercive field in La-modified SrBi2Ta2O9. *Journal of Applied Physics*, **2004**, 95, 4261-4266	2.5	50
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3	Large Spontaneous Polarizaion in Suprelattice-Structured Bithmath Layerd Ferroelectric Crystals. *Ceramic Transactions*,147-153	0.1
2	Polarization Properties and Ferroelectric Distortion of La-Substituted Bi4Ti3O12 Ceramics: Comparison with V- and Nb-Doped Ceramics. *Ceramic Transactions*,167-174	0.1
1	Low Temperature Deposition of Bi4Ti3O12Based Ferroelectric Thin Films Using Site Engineering Concept. *Ceramic Transactions*,407-415	0.1