

Yuji Noguchi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1302470/publications.pdf>

Version: 2024-02-01

203
papers

5,709
citations

70961

41
h-index

91712

69
g-index

209
all docs

209
docs citations

209
times ranked

3431
citing authors

#	ARTICLE	IF	CITATIONS
1	Large remanent polarization of vanadium-doped Bi ₄ Ti ₃ O ₁₂ . Applied Physics Letters, 2001, 78, 1903-1905.	1.5	391
2	Defect Control for Large Remanent Polarization in Bismuth Titanate Ferroelectrics -- Doping Effect of Higher-Valent Cations --. Japanese Journal of Applied Physics, 2000, 39, L1259-L1262.	0.8	338
3	Defect control for low leakage current in K _{0.5} Na _{0.5} NbO ₃ single crystals. Applied Physics Letters, 2006, 89, 142910.	1.5	206
4	Direct evidence of A-site-deficient strontium bismuth tantalate and its enhanced ferroelectric properties. Physical Review B, 2001, 63, .	1.1	193
5	Ferroelectric properties of intergrowth Bi ₄ Ti ₃ O ₁₂ â€“SrBi ₄ Ti ₄ O ₁₅ ceramics. Applied Physics Letters, 2000, 77, 3639-3641.	1.5	181
6	Raman scattering study of multiferroic BiFeO ₃ single crystal. Journal of Magnetism and Magnetic Materials, 2007, 310, e367-e369.	1.0	179
7	Effect of cosubstitution of La and V in Bi ₄ Ti ₃ O ₁₂ thin films on the low-temperature deposition. Applied Physics Letters, 2002, 80, 100-102.	1.5	169
8	Giant strain in lead-free (Bi _{0.5} Na _{0.5})TiO ₃ -based single crystals. Applied Physics Letters, 2008, 92, .	1.5	129
9	Gap-state engineering of visible-light-active ferroelectrics for photovoltaic applications. Nature Communications, 2017, 8, 207.	5.8	126
10	Defect Engineering for Control of Polarization Properties in SrBi ₂ Ta ₂ O ₉ . Japanese Journal of Applied Physics, 2002, 41, 7062-7075.	0.8	114
11	Impact of Defect Control on the Polarization Properties in Bi ₄ Ti ₃ O ₁₂ Ferroelectric Single Crystals. Japanese Journal of Applied Physics, 2005, 44, L570-L572.	0.8	106
12	Electrical Conduction Mechanism in Bi ₄ Ti ₃ O ₁₂ Single Crystal. Japanese Journal of Applied Physics, 2002, 41, 7053-7056.	0.8	104
13	Preparation and characterization of a- and b-axis-oriented epitaxially grown Bi ₄ Ti ₃ O ₁₂ -based thin films with long-range lattice matching. Applied Physics Letters, 2002, 81, 1660-1662.	1.5	101
14	Oxygen-vacancy-induced $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 90 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \text{\AA}^\circ \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ -domain clamping in ferroelectric $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{Bi} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 4 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle$ Physical Review B, 2010, 81, .	1.1	97
15	Oxygen Stability and Leakage Current Mechanism in Ferroelectric La-Substituted Bi ₄ Ti ₃ O ₁₂ Single Crystals. Japanese Journal of Applied Physics, 2005, 44, 6998-7002.	0.8	96
16	Large remanent polarization of Bi ₄ Ti ₃ O ₁₂ -based thin films modified by the site engineering technique. Journal of Applied Physics, 2002, 92, 1518-1521.	1.1	92
17	Structural and piezoelectric properties of high-density (Bi _{0.5} K _{0.5})TiO ₃ â€“BiFeO ₃ ceramics. Journal of Applied Physics, 2010, 108, .	1.1	73
18	Ferroelectric Properties and Nano-Scaled Domain Structures in (1-x)BiFeO ₃ -xBaTiO ₃ (0.33 x $\leq x \leq 1$); T _j ETQq0 0 0 ggBT /Overlock 10 Tt	0.3	70

#	ARTICLE	IF	CITATIONS
19	Rietveld analysis and dielectric properties of Bi ₂ WO ₆ -Bi ₄ Ti ₃ O ₁₂ ferroelectric system. Materials Research Bulletin, 2001, 36, 531-540.	2.7	68
20	Ferroelectric Properties and Structure Distortion in A-Site-Modified SrBi ₂ Ta ₂ O ₉ . Japanese Journal of Applied Physics, 2001, 40, 5812-5815.	0.8	66
21	Enhanced spontaneous polarization in superlattice-structured Bi ₄ Ti ₃ O ₁₂ ∕BaBi ₄ Ti ₄ O ₁₅ single crystals. Applied Physics Letters, 2005, 86, 012907.	1.5	66
22	High-Performance Bi _{0.5} Na _{0.5} TiO ₃ Single Crystals Grown by High-Oxygen-Pressure Flux Method. Japanese Journal of Applied Physics, 2008, 47, 7623.	0.8	66
23	Domain structure and polarization properties of lanthanum-substituted bismuth titanate single crystals. Applied Physics Letters, 2004, 84, 100-102.	1.5	64
24	Giant photovoltaic effect of ferroelectric domain walls in perovskite single crystals. Scientific Reports, 2015, 5, 14741.	1.6	63
25	Electronic and local structures of Mn-doped BiFeO ₃ crystals. Physical Review B, 2012, 86, .	1.1	62
26	3D Domain Structure in Bi ₄ Ti ₃ O ₁₂ Crystals Observed by Using Piezoresponse Force Microscopy. Advanced Materials, 2007, 19, 2552-2555.	11.1	60
27	Effects of V-Doping on Mixed Conduction Properties of Bismuth Titanate Single Crystals. Japanese Journal of Applied Physics, 2003, 42, 6222-6225.	0.8	58
28	High-oxygen-pressure crystal growth of ferroelectric Bi ₄ Ti ₃ O ₁₂ single crystals. Applied Physics Letters, 2007, 91, 162909.	1.5	58
29	Observation of phonons in multiferroic BiFeO ₃ single crystals by Raman scattering. Journal of Physics Condensed Matter, 2007, 19, 365224.	0.7	58
30	Observation of a low-symmetry phase in Na _{0.5} Bi _{0.5} TiO ₃ crystals by optical birefringence microscopy. Journal of Applied Crystallography, 2012, 45, 444-452.	1.9	54
31	Cation-vacancy-induced low coercive field in La-modified SrBi ₂ Ta ₂ O ₉ . Journal of Applied Physics, 2004, 95, 4261-4266.	1.1	52
32	Large electric-field-induced strain in Bi _{0.5} Na _{0.5} TiO ₃ ∕Bi _{0.5} K _{0.5} TiO ₃ solid solution single crystals. Applied Physics Letters, 2008, 93, .	1.5	51
33	Effects of Nd substitution on the polarization properties and electronic structures of bismuth titanate single crystals. Materials Research Bulletin, 2005, 40, 1044-1051.	2.7	50
34	Effect of Bi substitution at the Sr site on the ferroelectric properties of dense strontium bismuth tantalate ceramics. Journal of Applied Physics, 2000, 88, 2146-2148.	1.1	46
35	Polarization Properties of Superlattice-Structured Bi ₄ Ti ₃ O ₁₂ -BaBi ₄ Ti ₄ O ₁₅ Single Crystals and Ceramics: Comparison with Bi ₄ Ti ₃ O ₁₂ and BaBi ₄ Ti ₄ O ₁₅ . Japanese Journal of Applied Physics, 2004, 43, 6653-6657.	0.8	44
36	Estimation of ionic and hole conductivity in bismuth titanate polycrystals at high temperatures. Solid State Ionics, 2004, 172, 325-329.	1.3	44

#	ARTICLE	IF	CITATIONS
37	Switchable diode-effect mechanism in ferroelectric BiFeO ₃ thin film capacitors. Journal of Applied Physics, 2015, 118, .	1.1	44
38	Ferroelectrics with a controlled oxygen-vacancy distribution by design. Scientific Reports, 2019, 9, 4225.	1.6	44
39	Bulk and domain-wall effects in ferroelectric photovoltaics. Physical Review B, 2016, 94, .	1.1	43
40	Dielectric and ferroelectric anisotropy of intergrowth Bi ₄ Ti ₃ O ₁₂ –PbBi ₄ Ti ₄ O ₁₅ single crystals. Applied Physics Letters, 2002, 81, 2226-2228.	1.5	42
41	Polarization properties and oxygen-vacancy distribution of SrBi ₂ Ta ₂ O ₉ ceramics modified by Ce and Pr. Journal of the European Ceramic Society, 2005, 25, 2477-2482.	2.8	42
42	Design of Surfactant-Grafted Hydrogels with Fast Response to Temperature. Macromolecular Rapid Communications, 2005, 26, 1913-1917.	2.0	41
43	Cooperative effect of oxygen-vacancy-rich layer and ferroelectric polarization on photovoltaic properties in BiFeO ₃ thin film capacitors. Applied Physics Letters, 2016, 108, .	1.5	41
44	Praseodymium-modified SrBi ₂ Ta ₂ O ₉ with improved polarization properties at low electric field. Journal of Applied Physics, 2003, 94, 6749-6752.	1.1	38
45	Metastable Sr _{0.5} TaO ₃ Perovskite Oxides Prepared by Nanosheet Processing. European Journal of Inorganic Chemistry, 2008, 2008, 5471-5475.	1.0	38
46	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.	2.8	37
47	Defect control for polarization switching in Bi ₂ WO ₆ -based single crystals. Applied Physics Letters, 2006, 89, 242916.	1.5	37
48	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.	0.8	36
49	Property design of Bi ₄ Ti ₃ O ₁₂ -based thin films using a site-engineered concept. Journal of Crystal Growth, 2003, 248, 180-185.	0.7	35
50	Direct observation of oxygen stabilization in layered ferroelectric Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ . Applied Physics Letters, 2007, 91, 062913.	1.5	34
51	Ferroelectric polarization and piezoelectric properties of layer-structured K _{0.5} Bi _{4.5} Ti ₄ O ₁₅ single crystals. Applied Physics Letters, 2008, 93, 032904. Damped soft phonons and diffuse scattering in (Bi _{1-x} Ti _x) ₂ ETQqO _{0.0} rgBT/Overlock 10 Tf 50 162 Td (xmlns:mml="http://www.w	1.5	34
52		1.1	33
53	Crystal Structure and Ferroelectric Property of Tungsten-substituted Bi ₄ Ti ₃ O ₁₂ Thin Films Prepared by Metal-Organic Chemical Vapor Deposition. Japanese Journal of Applied Physics, 2003, 42, 2850-2852.	0.8	31
54	Shrinking Behavior of Surfactant-Grafted Thermosensitive Gels and the Mechanism of Rapid Shrinking. Macromolecular Rapid Communications, 2008, 29, 897-903.	2.0	31

#	ARTICLE	IF	CITATIONS
55	High-Performance Ferroelectric $\text{Bi}_{4-x}\text{Ti}_{3-x}\text{O}_{12}$ Single Crystals Grown by Top-Seeded Solution Growth Method under High-Pressure Oxygen Atmosphere. Japanese Journal of Applied Physics, 2010, 49, 09MC06.	0.8	31
56	Non-180° polarization rotation of ferroelectric $(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3$ single crystals under electric field. Physical Review B, 2014, 89, .	1.1	29
57	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.	0.5	26
58	Crystal Structural Analyses of Ferrielectric Tetragonal $(\text{Bi}_{1/2-x}\text{Na}_{1/2-x})\text{TiO}_3$ \leftrightarrow BaTiO_3 Powders and Single Crystals. Japanese Journal of Applied Physics, 2013, 52, 09KD01.	0.8	26
59	Polarization twist in perovskite ferroelectrics. Scientific Reports, 2016, 6, 32216.	1.6	26
60	Structural and electrical characterization of $\text{Bi}_5\text{Ti}_3\text{Fe}_{1-x}\text{Mn}_x\text{O}_{15}$ system. Materials Research Bulletin, 2000, 35, 825-834.	2.7	25
61	Defect Control for Superior Properties in $\text{K}_{0.5-x}\text{Na}_{0.5-x}\text{NbO}_3$ Single Crystals. Key Engineering Materials, 0, 350, 85-88.	0.4	25
62	Effect of Mn doping on the leakage current and polarization properties in $\text{K}_{0.14-x}\text{Na}_{0.86-x}\text{NbO}_3$ ferroelectric single crystals. Journal of the Ceramic Society of Japan, 2010, 118, 711-716.	0.5	25
63	Defect control for polarization switching in BiFeO_3 single crystals. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 2233-2236.	1.7	25
64	Crystal Growth and Characterization of $(\text{Bi}_{0.5-x}\text{Na}_{0.5-x})\text{TiO}_3 \leftrightarrow \text{BaTiO}_3$ Single Crystals Obtained by a Top-Seeded Solution Growth Method under High-Pressure Oxygen Atmosphere. Japanese Journal of Applied Physics, 2011, 50, 09NE07.	0.8	25
65	Successive redox-mediated visible-light ferrophotovoltaics. Nature Communications, 2020, 11, 966.	5.8	25
66	Effects of Mn doping on the polarization and leakage current properties in $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ single crystals. Journal of the European Ceramic Society, 2007, 27, 4081-4084.	2.8	24
67	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.	1.3	23
68	Effects of Defect Control on the Polarization Properties in Bi_2WO_6 -Based Single Crystals. Ferroelectrics, 2007, 355, 55-60.	0.3	23
69	Laser beam scanning microscope and piezoresponse force microscope studies on domain structured in 001-, 110-, and 111-oriented NaNbO_3 films. Journal of Applied Physics, 2012, 112, 052007.	1.1	23
70	Polarization Rotation and Monoclinic Distortion in Ferroelectric $(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3 \leftrightarrow \text{BaTiO}_3$ Single Crystals under Electric Fields. Crystals, 2014, 4, 273-295.	1.0	23
71	Enhanced photovoltaic currents in strained Fe-doped LiNbO_3 films. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 2968-2974.	0.8	23
72	Influence of growth conditions on the optical, electrical resistivity and piezoelectric properties of $\text{Ca}_3\text{TaGa}_3\text{Si}_2\text{O}_{14}$ single crystals. Journal of the Ceramic Society of Japan, 2016, 124, 523-527.	0.5	23

#	ARTICLE	IF	CITATIONS
73	Synchrotron Radiation Study on Time-Resolved Tetragonal Lattice Strain of BaTiO ₃ under Electric Field. Japanese Journal of Applied Physics, 2011, 50, 09NE05.	0.8	22
74	Heavy Mn-doping effect on spontaneous polarization in ferroelectric BiFeO ₃ thin films. Japanese Journal of Applied Physics, 2015, 54, 10NA03.	0.8	22
75	Polarization properties of praseodymium-modified SrBi ₂ Ta ₂ O ₉ ceramics and thin films prepared by sol-gel method. Materials Letters, 2004, 58, 1815-1818.	1.3	20
76	Ferroelectric domain structure and c-axis polarization switching in monoclinic Bi ₄ Ti ₃ O ₁₂ single crystals. Applied Physics Letters, 2007, 90, 202904.	1.5	20
77	Nanoscale structural analysis of Bi _{0.5} Na _{0.5} TiO ₃ . Japanese Journal of Applied Physics, 2020, 59, SPPA01.	0.8	20
78	New Intergrowth Bi ₂ WO ₆ -Bi ₃ TaTiO ₉ Ferroelectrics.. Journal of the Ceramic Society of Japan, 2001, 109, 29-32.	1.3	19
79	Enhanced piezoelectric properties of grain-oriented Bi ₄ Ti ₃ O ₁₂ -BaBi ₄ Ti ₄ O ₁₅ ceramics obtained by magnetic-field-assisted electrophoretic deposition method. Journal of Applied Physics, 2008, 104, .	1.1	19
80	Microstructures Related to Ferroelectric Properties in (Bi _{0.5} K _{0.5})TiO ₃ -BiFeO ₃ . Japanese Journal of Applied Physics, 2010, 49, 09MC05.	0.8	19
81	Photocurrent Characteristics of Mn-Doped Barium Titanate Ferroelectric Single Crystals. Japanese Journal of Applied Physics, 2013, 52, 09KF03.	0.8	19
82	High-Performance Ferroelectric Bi _{0.5} Na _{0.5} TiO ₃ Single Crystals Grown by Top-Seeded Solution Growth Method under High-Pressure Oxygen Atmosphere. Ferroelectrics, 2011, 414, 24-29.	0.3	18
83	Ferroelectric distortion and electronic structure in Bi ₄ Ti ₃ O ₁₂ . Journal of Electroceramics, 2008, 21, 49-54.	0.8	17
84	Electrical conduction mechanism in BiFeO ₃ -based ferroelectric thin-film capacitors: Impact of Mn doping. Journal of Asian Ceramic Societies, 2015, 3, 426-431.	1.0	17
85	Enhanced photovoltaic effects in ferroelectric solid solution thin films with nanodomains. Applied Physics Letters, 2020, 116, .	1.5	17
86	Novel oxygen sensor using hot spot on ceramic rod. Bulletin of Materials Science, 1999, 22, 593-600.	0.8	16
87	Electric-Field-Stabilized Ferroelastic Domain Walls in Monoclinic Bi ₄ Ti ₃ O ₁₂ Crystals. Japanese Journal of Applied Physics, 2007, 46, 7028-7030.	0.8	16
88	Influence of Oxygen Partial Pressure during Growth on Optical and Electrical Properties of Ca ₃ TaAl ₃ Si ₂ O ₁₄ Single Crystals. Crystal Growth and Design, 2016, 16, 2151-2156.	1.4	16
89	Electronic Origin of Defect States in Fe-Doped LiNbO ₃ Ferroelectrics. Advances in Condensed Matter Physics, 2016, 2016, 1-10.	0.4	14
90	Ferroelectric-mediated morphotropic phase boundaries in Bi-based polar perovskites. Scientific Reports, 2019, 9, 4087.	1.6	14

#	ARTICLE	IF	CITATIONS
91	Electric-field-induced giant strain in Bi _{0.5} Na _{0.5} TiO ₃ -based single crystals: Influence of high-oxygen-pressure annealing. Journal of the Ceramic Society of Japan, 2009, 117, 32-36.	0.5	13
92	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.	0.5	13
93	Ferrielectric phase in the (Bi _{1/2} Na _{1/2})TiO ₃ –Ba(Mg _{1/3} Nb _{2/3})O ₃ system. Japanese Journal of Applied Physics, 2015, 54, 10NC05.	0.8	13
94	Lattice Distortion and Ferroelectric Properties in Pb-Substituted SrBi ₂ Ta ₂ O ₉ . Journal of the Ceramic Society of Japan, 2002, 110, 999-1004.	1.3	12
95	OY-TES-1 expression and serum immunoreactivity in epithelial ovarian cancer. International Journal of Oncology, 2006, 29, 903.	1.4	12
96	Effects of Oxygen Annealing on Dielectric Properties of LuFeCuO ₄ . Japanese Journal of Applied Physics, 2008, 47, 8464.	0.8	12
97	Temperature dependence of electrical resistivity, dielectric and piezoelectric properties of Ca ₃ TaGa ₃ –xAl _x Si ₂ O ₁₄ single crystals as a function of Al content. Journal of Alloys and Compounds, 2016, 687, 797-803.	2.8	12
98	Synchrotron Radiation Analyses of Domain Switching and Lattice Strain Behaviors for Ferroelectric (Bi _{0.5} Na _{0.5})TiO ₃ Single Crystals under Electric Fields. Ferroelectrics, 2013, 443, 1-7.	0.3	10
99	Control of misfit strain in ferroelectric BaTiO ₃ thin-film capacitors with SrRuO ₃ -based electrodes on (Ba, Sr)TiO ₃ -buffered SrTiO ₃ substrates. Applied Physics Letters, 2018, 113, 012903.	1.5	10
100	Visualization of spontaneous electronic polarization in Pb ion of ferroelectric PbTiO ₃ by synchrotron-radiation x-ray diffraction. Applied Physics Letters, 2020, 117, .	1.5	10
101	Electronic Structures of Bi _{4-x} La _x Ti ₃ O ₁₂ and Bi _{4-z} R _x Ti _{3-x} O ₁₂ Single Crystals Studied by Soft-X-Ray Spectroscopy. Japanese Journal of Applied Physics, 2003, 42, 6226-6229.	0.8	9
102	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.	1.7	9
103	Field-induced strain behavior for potassium sodium bismuth titanate ceramics. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 2516-2522.	1.7	9
104	Local polarization switching in epitaxial thin films of ferroelectric (Bi _{1/2} Na _{1/2})TiO ₃ . Journal of Asian Ceramic Societies, 2015, 3, 160-163.	1.0	9
105	Domain-wall photovoltaic effect in Fe-doped BaTiO ₃ single crystals. Journal of Applied Physics, 2021, 129, 084101.	1.1	9
106	Synchrotron Radiation Study on Time-Resolved Tetragonal Lattice Strain of BaTiO ₃ under Electric Field. Japanese Journal of Applied Physics, 2011, 50, 09NE05.	0.8	9
107	New Sintering Technique Using the Migrating Hot Spot on High-T _c Superconductor. Key Engineering Materials, 1999, 157-158, 127-134.	0.4	8
108	Electronic Structure in Valence Band of Nd-Substituted Bi ₄ Ti ₃ O ₁₂ Single Crystal Probed by Soft-X-Ray Emission Spectroscopy. Japanese Journal of Applied Physics, 2005, 44, L1491-L1493.	0.8	8

#	ARTICLE	IF	CITATIONS
109	Polarization properties and crystal structures of ferroelectric $\text{Ba}_{1-x}\text{Ca}_x\text{TiO}_3$ single crystals. Journal of Advanced Dielectrics, 2014, 04, 1450003.	1.5	8
110	Polarization degradation and oxygen-vacancy rearrangement in Mn-doped BaTiO_3 ferroelectrics ceramics. Journal of the Ceramic Society of Japan, 2014, 122, 373-380.	0.5	8
111	Defect chemistry in perovskite ferroelectrics—History, present status, and future prospects—. Journal of the Ceramic Society of Japan, 2021, 129, 271-285.	0.5	8
112	Microstructures related to the ferroelectric properties in BiFeO_3 - BaTiO_3 . Transactions of the Materials Research Society of Japan, 2008, 33, 27-30.	0.2	8
113	Crystal Growth and Characterization of $(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3$ Single Crystals Obtained by a Top-Seeded Solution Growth Method under High-Pressure Oxygen Atmosphere. Japanese Journal of Applied Physics, 2011, 50, 09NE07.	0.8	8
114	Influence of phase transformation in Pd hydride on the recovery characteristics of optical hydrogen sensors. Bulletin of Materials Science, 1999, 22, 999-1001.	0.8	7
115	Oxygen Vacancy Migration and Dispersive Photoconductivity in $\text{Bi}_4\text{Ti}_3\text{O}_{12-d}$. Japanese Journal of Applied Physics, 2004, 43, 6649-6652.	0.8	7
116	ENHANCED PIEZOELECTRIC PROPERTIES IN $(\text{Bi}_{0.5}\text{K}_{0.5})\text{TiO}_3$ $(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3$ FERROELECTRIC SINGLE CRYSTALS. Journal of Advanced Dielectrics, 2011, 01, 63-69.	1.5	7
117	Enhanced polarization switching in ferroelectric $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3$ single crystals by defect control. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 791-795.	0.8	7
118	Strong interaction between ferroelectric polarization and oxygen vacancy in BiFeO_3 thin film capacitors. Journal of the Ceramic Society of Japan, 2016, 124, 634-638.	0.5	7
119	Polarization and Dielectric Properties of BiFeO_3 - BaTiO_3 Superlattice-Structured Ferroelectric Films. Nanomaterials, 2021, 11, 1857.	1.9	7
120	Influence of Oxygen Vacancies on the Polarization Properties in $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ Ferroelectric Single Crystals. Key Engineering Materials, 2006, 320, 19-22.	0.4	6
121	Crystal Growth and Electric-Field-Induced Strain in $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3$ Crystals. Key Engineering Materials, 2006, 320, 35-38.	0.4	6
122	Polarization and piezoelectric properties of grain-oriented ferroelectric $\text{Bi}_5\text{FeTi}_3\text{O}_{15}$ ceramics prepared by magnetic-field-assisted electrophoretic deposition method. Journal of Electroceramics, 2010, 24, 91-96.	0.8	6
123	Nanoscale Characterization of Domain Structures in $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ Single Crystals Using Near-Field Raman Spectroscopy. Japanese Journal of Applied Physics, 2011, 50, 09NE10.	0.8	6
124	Elastic and Piezoelectric Properties of High-Quality Ferroelectric $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ Single Crystals. Japanese Journal of Applied Physics, 2012, 51, 09LD08.	0.8	6
125	Synchrotron radiation analyses of lattice strain behaviors for rhombohedral $\text{Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3}\text{O})_3$ single crystals under electric fields. Journal of the Ceramic Society of Japan, 2013, 121, 632-637.		6
126	Enhanced polarization properties of ferroelectric AgNbO_3 single crystals grown by Czochralski method under high-pressure oxygen atmosphere. Japanese Journal of Applied Physics, 2016, 55, 10TB03.	0.8	6

#	ARTICLE	IF	CITATIONS
127	Piezoelectric Ca ₃ TaAl ₃ Si ₂ O ₁₄ (CTAS): High quality 2-in. single-crystal growth and electro-elastic properties from room to high (650 Å°C) temperature. Journal of Crystal Growth, 2018, 501, 38-42.	0.7	6
128	Local structure analysis of PbTiO ₃ in high-temperature cubic phase. Ferroelectrics, 2019, 538, 57-62.	0.3	6
129	Ferroelectric photovoltaic tensor in visible-light-active Fe-doped BaTiO ₃ single crystals. Japanese Journal of Applied Physics, 2021, 60, SFFA01.	0.8	6
130	Chemical Bonding and Electronic States in .ALPHA.-PbO: Analysis by an ab initio Band Calculation. Journal of the Ceramic Society of Japan, 2004, 112, 50-56.	1.3	5
131	Electrical Properties of Superlattice-Structured Bi ₄ Ti ₃ O ₁₂ /PbBi ₄ Ti ₄ O ₁₅ Single Crystals. Journal of the American Ceramic Society, 2007, 90, 2814-2818.	1.9	5
132	Crystal Growth and Ferroelectric Properties in Bi _{0.5} K _{0.5} TiO ₃ -Bi _{0.5} Na _{0.5} TiO ₃ Crystals. Key Engineering Materials, 2010, 445, 7-10.	0.4	5
133	Ferroelectric Properties and Domain Structures of (Bi _{0.5} K _{0.5})TiO ₃ -BiFeO ₃ Ceramics. Transactions of the Materials Research Society of Japan, 2011, 36, 285-288.		5
134	Crystal structure and ferroelectric polarization of tetragonal (Bi _{1/2} Na _{1/2})TiO ₃ 12BaTiO ₃ . Japanese Journal of Applied Physics, 2018, 57, 11UD05.	0.8	5
135	Domain Proving of Ferroelectric Crystals. Hyomen Kagaku, 2005, 26, 208-214.	0.0	5
136	Elastic and Piezoelectric Properties of High-Quality Ferroelectric Bi ₄ Ti ₃ O ₁₂ Single Crystals. Japanese Journal of Applied Physics, 2012, 51, 09LD08.	0.8	5
137	Effect of intragrain current on low-field magnetic flux distributions of zero-field-cooled polycrystalline YBa ₂ Cu ₃ O _{7-δ} . Journal of Applied Physics, 1995, 78, 5540-5544.	1.1	4
138	(Invited) High-Temperature-Operating Dielectrics of Perovskite Oxides. ECS Transactions, 2012, 45, 195-207.	0.3	4
139	High electro-optic kerr effect in (Bi,K,Na)TiO ₃ relaxor single crystals. Journal of the Ceramic Society of Japan, 2012, 120, 613-615.	0.5	4
140	Crystal structure and polarization hysteresis properties of ferroelectric BaTiO ₃ thin-film capacitors on (Ba,Sr)TiO ₃ -buffered substrates. Japanese Journal of Applied Physics, 2016, 55, 10TA03.	0.8	4
141	Uncovering ferroelectric polarization in tetragonal (Bi _{1/2} K _{1/2})TiO ₃ (Bi _{1/2} Na _{1/2})TiO ₃ single crystals. Scientific Reports, 2019, 9, 19275.	1.6	4
142	Nanoscale structural analysis of Bi _{0.5} Na _{0.5} TiO ₃ in high-temperature phases. Japanese Journal of Applied Physics, 2021, 60, SFFA08.	0.8	4
143	Bismuth Layer-Structured Ferroelectrics with Cation Vacancies. Key Engineering Materials, 2002, 228-229, 223-228.	0.4	3
144	Correlation between displacive-type ferroelectricity and electronic density of states near the Fermi level in SrBi ₂ Ta ₂ O ₉ . Physica Status Solidi (B): Basic Research, 2005, 242, 899-908.	0.7	3

#	ARTICLE	IF	CITATIONS
145	Crystal Growth and Ferroelectric Properties in $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3$ Crystals. Key Engineering Materials, 0, 388, 241-244.		3
146	Observation of octahedral tilted in $\text{Sr}_{0.5}\text{TaO}_3$ prepared by nanosheet processing: An EXAFS study. Journal of Alloys and Compounds, 2009, 486, 78-82.	2.8	3
147	Ferroelectric Phase Transition and Photoinduced Cooperative Phenomena in Bi-Layered Perovskite $\text{Pb}_2\text{Bi}_4\text{Ti}_5\text{O}_{18}$ Ceramics Studied by Brillouin Scattering. Japanese Journal of Applied Physics, 2010, 49, 09ME05.	0.8	3
148	Defect Control and Properties in Bismuth Layer Structured Ferroelectric Single Crystals. , 2012, , 405-459.		3
149	Resistivity and piezoelectric properties of $\text{Ca}_3\text{TaGa}_{1.5}\text{Al}_{1.5}\text{Si}_2\text{O}_{14}$ single crystals for high temperature sensors. RSC Advances, 2017, 7, 56697-56703.	1.7	3
150	Enhanced polarization properties of ferroelectric $(\text{Bi}_{1/2}\text{Na}_{1/2}\text{TiO}_3)$ – $\text{Ba}(\text{Mg}_{1/3}\text{Nb}_{2/3}\text{O}_3)$ single crystals grown under high-pressure oxygen atmosphere. Journal of the Ceramic Society of Japan, 2017, 125, 463-467.	0.5	3
151	Successive phase transition of lead-free ferroelectric sodium potassium niobate crystals studied by Raman scattering. Ferroelectrics, 2018, 532, 183-189.	0.3	3
152	Lattice engineering by Sr-substitution leads to high piezoelectric performance of $(\text{Sr}_x\text{Ca}_{1-x})_3\text{TaAl}_3\text{Si}_2\text{O}_{14}$ single crystals. Journal of Alloys and Compounds, 2021, 851, 156860.	2.8	3
153	Nanoscale structural analysis of $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$. Journal of Physics Condensed Matter, 2021, 33, 035401.	0.7	3
154	Analysis of Crystal Structure by the Rietveld Method and Ferroelectric Properties of $\text{Sr}_{1-x}\text{Bi}_{2+x}\text{Ta}_2\text{O}_9$. Key Engineering Materials, 2000, 181-182, 209-212.	0.4	2
155	Changes of Polarization Properties with Increasing Temperature in Stoichiometric- and Modified- $\text{SrBi}_2\text{Ta}_2\text{O}_9$. Key Engineering Materials, 2003, 248, 3-6.	0.4	2
156	Influence of Annealing on Domain Structures of Bismuth-Titanate-Based Crystals. Key Engineering Materials, 2006, 320, 27-30.	0.4	2
157	Giant Polarization Properties of Ba-Based Bismuth Layer-Structured Ferroelectrics. Key Engineering Materials, 2006, 301, 3-6.	0.4	2
158	Materials Design and Characterization of $(\text{Bi}_{1/2}\text{Na}_{1/2}\text{TiO}_3)\text{-Bi}(\text{TM}, \text{B})\text{O}_3$ Ceramics. Key Engineering Materials, 2010, 445, 59-62.	0.4	2
159	Polarization-switching dynamics and microstructures of ferroelectric $(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3$ single crystals. Journal of the Korean Physical Society, 2013, 62, 1035-1040.	0.3	2
160	Growth and Ferroelectric/Piezoelectric Properties of $(\text{K}, \text{Na})(\text{Nb}, \text{Ta})\text{O}_3$ Ferroelectric Single Crystals. Key Engineering Materials, 2013, 566, 64-67.	0.4	2
161	Composition-driven structural variation in ferroelectric phase of $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3\text{-Ba}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$. Japanese Journal of Applied Physics, 2019, 58, SLLA04.	0.8	2
162	Crystal structure and Polarization properties of ferroelectric $\text{Bi}_{4-x}\text{La}_x\text{Ti}_3\text{O}_{12}$ single crystals. Journal of the Korean Physical Society, 2009, 55, 862-868.	0.3	2

#	ARTICLE	IF	CITATIONS
163	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.	0.8	2
164	Ferroelectric polarization of tetragonal BiFeO ₃ —an approach from DFT calculations for BiFeO ₃ —BaTiO ₃ superlattices”. Japanese Journal of Applied Physics, 2022, 61, SN1002.	0.8	2
165	Effect of Thermal Strain on Domain Fraction in a/b-axis-oriented Epitaxial Bi ₄ Ti ₃ O ₁₂ Films. Materials Research Society Symposia Proceedings, 2003, 784, 421.	0.1	1
166	Domain Dynamics of C-Axis Polarization in Bismuth Titanate Crystals. Key Engineering Materials, 2007, 350, 69-72.	0.4	1
167	Ferroelectric Distortion in Bi ₄ Ti ₃ O ₁₂ Studied by Neutron Powder Diffraction. Key Engineering Materials, 2007, 350, 65-68.	0.4	1
168	Defects and Leakage Current in PbTiO ₃ Single Crystals. Key Engineering Materials, 0, 350, 77-80.	0.4	1
169	Crystal structure and defect control in Bi ₄ Ti ₃ O ₁₂ -based layered ferroelectric single crystals. , 2008, , 1006-1032.		1
170	Grain-Orientation Control of Bi ₅ FeTi ₃ O ₁₅ Ceramics Prepared by Magnetic-Field-Assisted Electrophoretic Deposition Method. Key Engineering Materials, 2008, 388, 205-208.	0.4	1
171	Photoinduced Effect in Quasi-Longrange Ferroelectric Fluctuation on Bismuth Layered Perovskites BaBi ₄ Ti ₄ O ₁₅ . Ferroelectrics, 2010, 411, 44-51.	0.3	1
172	Ferroelectric Polarization Properties in High-Performance Bismuth Sodium Titanate Single Crystals. Key Engineering Materials, 2011, 485, 7-10.	0.4	1
173	Ferroelectric and Piezoelectric Properties of Bi ₄ Ti ₃ O ₁₂ Single Crystals Grown by Top-Seeded Solution Growth Method at High Oxygen Pressure. Key Engineering Materials, 0, 485, 73-76.	0.4	1
174	Crystal Structures and Surface Morphologies of LaGaO ₃ -Based Epitaxial Thin Films Grown by a Pulse Laser Deposition Method. Key Engineering Materials, 0, 582, 153-156.	0.4	1
175	Leakage Current and Polarization Properties of (Bi _{0.5} Na _{0.5})TiO ₃ -BaTiO ₃ Single Crystals. Key Engineering Materials, 2013, 582, 96-99.	0.4	1
176	Ferroelectric Properties and Domain Clamping of (Bi _{0.5} Na _{0.5})TiO ₃ Single Crystals Grown under High-Oxygen-Pressure Atmosphere. Key Engineering Materials, 0, 566, 29-33.	0.4	1
177	Fabrication and characterization of (Ba, Sr)RuO ₃ ceramic targets and thin films for ferroelectric BaTiO ₃ thin-film capacitors. AIP Advances, 2018, 8, 115135.	0.6	1
178	High-quality ferroelectric Bi _{0.5} K _{0.5} TiO ₃ —BiFeO ₃ solid-solution single crystals grown under high-pressure oxygen atmosphere. Applied Physics Express, 0, ,	1.1	1
179	Ferroelectric Properties of Ba-and-Ta-Substituted Bi ₃ TiTaO ₉ . Key Engineering Materials, 2001, 216, 35-38.	0.4	0
180	Growth of Epitaxial Site-Engineered Bi ₄ Ti ₃ O ₁₂ -Based Thin Films by MOCVD and Their Characterization. Materials Research Society Symposia Proceedings, 2002, 748, 1.	0.1	0

#	ARTICLE	IF	CITATIONS
181	Property Design of SrBi ₂ Ta ₂ O ₉ by Defect Engineering. Materials Research Society Symposia Proceedings, 2003, 784, 611.	0.1	0
182	Effects of Mn Doping on the Domain Structure of Bismuth Titanate Single Crystals. Key Engineering Materials, 2004, 269, 27-30.	0.4	0
183	Photoconducting Properties in Oxygen-Deficient Bi ₄ Ti ₃ O ₁₂ . Key Engineering Materials, 2006, 301, 7-10.	0.4	0
184	Synthesis of Complex Perovskite Oxides via Nanosheets Process. Key Engineering Materials, 2007, 350, 55-58.	0.4	0
185	Influence of defects on the leakage current properties in PbTiO ₃ and BiFeO ₃ single crystals. Applications of Ferroelectrics, IEEE International Symposium on, 2007, , .	0.0	0
186	Crystal Growth and Ferroelectric Properties of Superlattice-Structured Bi ₄ Ti ₃ O ₁₂ -PbBi ₄ Ti ₄ O ₁₅ Single Crystals. Key Engineering Materials, 2008, 388, 237-240.	0.4	0
187	High-oxygen-pressure crystal growth of ferroelectric Bi ₄ Ti ₃ O ₁₂ and (Bi,Na)TiO ₃ single crystals. , 2008, , .		0
188	DEVELOPMENT OF NOVEL FERROELECTRIC MATERIALS. , 2008, , 460-464.		0
189	Switching properties and domain dynamics of the c-axis polarization in monoclinic Bi ₄ Ti ₃ O ₁₂ single crystals. Transactions of the Materials Research Society of Japan, 2008, 33, 19-22.	0.2	0
190	Behaviors of 90° and 180° Domain Walls under c-axis Polarization Switching in Ferroelectric Bi ₄ Ti ₃ O ₁₂ Single Crystals. Transactions of the Materials Research Society of Japan, 2009, 34, 27-30.	0.2	0
191	Polarization and piezoelectric properties of high-quality (Bi,Na)TiO ₃ crystals grown by high-oxygen-pressure flux method. Transactions of the Materials Research Society of Japan, 2009, 34, 31-34.	0.2	0
192	Study on domain structure of NaNbO ₃ films by laser beam scanning microscope and piezoresponse force microscope. , 2011, , .		0
193	Lattice-Defect Control for High-Performance Bismuth-Based Ferroelectric/Piezoelectric Crystals. Funtai Oyobi Fumatsu Yakini/Journal of the Japan Society of Powder and Powder Metallurgy, 2012, 59, 22-28.	0.1	0
194	Evaluation methods for properties of nanostructured body. , 2012, , 317-383.		0
195	Clamping of Non-180° Domain Walls in Bi-Based Ferroelectric Single Crystals. Transactions of the Materials Research Society of Japan, 2012, 37, 69-72.	0.2	0
196	Synchrotron radiation analyses of domain switching behaviors for ferroelectric BaTiO ₃ single crystals under electric fields. Journal of the Korean Physical Society, 2013, 62, 1046-1050.	0.3	0
197	Domain Dynamics under Unipolar Electric Fields for BaTiO ₃ Single Crystals. Key Engineering Materials, 2013, 582, 40-43.	0.4	0
198	Polarization Switching Dynamics of Ferroelectric (Bi _{0.5} Na _{0.5})TiO ₃ Single Crystals. Key Engineering Materials, 0, 582, 51-54.	0.4	0

#	ARTICLE	IF	CITATIONS
199	Crystal Growth and Characterization of $(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3\text{-BaTiO}_3$ Single Crystals Obtained by the Top-Seeded Solution Growth Method under High-Pressure Oxygen Atmosphere. Key Engineering Materials, 2013, 566, 25-28.	0.4	0
200	Development of Novel Ferroelectric Materials. , 2018, , 651-654.		0
201	Effects of Oxygen Pressure during Crystal Growth on the Polarization Properties in $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ Single Crystals. Transactions of the Materials Research Society of Japan, 2008, 33, 53-56.	0.2	0
202	Photon energy dependence of photovoltaic properties in ferroelectric BiFeO_3 thin-film capacitors. Transactions of the Materials Research Society of Japan, 2016, 41, 201-204.	0.2	0
203	Order-disorder nature and elastic anomaly of successive phase transition of $(\text{K}_{0.5}\text{Na}_{0.5})\text{NbO}_3$ proved by broadband Brillouin scattering. Ferroelectrics, 2022, 586, 2-9.	0.3	0