Yoshihiro Kuroiwa

List of Publications by Year
in descending order

288 papers	6,597 citations	87888 38 h-index	98798 67 g-index
290 all docs	290 docs citations	290 times ranked	5849 citing authors

#	Article	IF	Citations
1	The large Debyeâ€"Scherrer camera installed at SPring-8 BL02B2 for charge density studies. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 467-468, 1045-1048.	1.6	415
2	Evidence for Pb-O Covalency in TetragonalPbTiO3. Physical Review Letters, 2001, 87, 217601.	7.8	414
3	High-throughput powder diffraction measurement system consisting of multiple MYTHEN detectors at beamline BL02B2 of SPring-8. Review of Scientific Instruments, 2017, 88, 085111.	1.3	253
4	Composite structure and size effect of barium titanate nanoparticles. Applied Physics Letters, 2008, 93, .	3.3	189
5	X-ray-activated long persistent phosphors featuring strong UVC afterglow emissions. Light: Science and Applications, 2018, 7, 88.	16.6	159
6	Cs₄PbBr₆/CsPbBr₃ Perovskite Composites with Near-Unity Luminescence Quantum Yield: Large-Scale Synthesis, Luminescence and Formation Mechanism, and White Light-Emitting Diode Application. ACS Applied Materials & Interfaces, 2018, 10, 15905-15912.	8.0	135
7	Giant strain in lead-free (Bi0.5Na0.5)TiO3-based single crystals. Applied Physics Letters, 2008, 92, .	3.3	129
8	In-plane chemical pressure essential for superconductivity in BiCh2-based (Ch: S, Se) layered structure. Scientific Reports, 2015, 5, 14968.	3.3	104
9	Fabrication of BaTi2O5Glassâ^'Ceramics with Unusual Dielectric Properties during Crystallization. Chemistry of Materials, 2006, 18, 2169-2173.	6.7	98
10	Structural and electrical characteristics of potential candidate lead-free BiFeO3-BaTiO3 piezoelectric ceramics. Journal of Applied Physics, 2017, 122, .	2.5	95
11	Experimental Verification of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>PbBi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Te</mml:mi><mml: a 3D Topological Insulator. Physical Review Letters, 2012, 108, 206803.	7.8	90
12	High-Efficiency Violet-Emitting All-Inorganic Perovskite Nanocrystals Enabled by Alkaline-Earth Metal Passivation. Chemistry of Materials, 2019, 31, 3974-3983.	6.7	90
13	Composite Structure of BaTiO3Nanoparticle Investigated by SR X-Ray Diffraction. Journal of the Physical Society of Japan, 2002, 71, 1218-1221.	1.6	84
14	X-ray diffractometry for the structure determination of a submicrometre single powder grain. Journal of Synchrotron Radiation, 2009, 16, 352-357.	2.4	82
15	The large Debyeâ€"Scherrer camera installed at SPring-8 BL02B2 for charge density studies. Journal of Physics and Chemistry of Solids, 2001, 62, 2095-2098.	4.0	80
16	Possible Long-Range Order with Singlet Ground State in CeRu2Al10. Journal of the Physical Society of Japan, 2010, 79, 043708.	1.6	80
17	Noncentrosymmetric Structure of LuFeO₃ in Metastable State. Japanese Journal of Applied Physics, 2010, 49, 09ME06.	1.5	79
18	Piezoelectric properties of high Curie temperature barium titanateâ€"bismuth perovskite-type oxide system ceramics. Journal of Applied Physics, 2010, 108, .	2.5	78

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19	Extremely High Resolution Single Crystal Diffractometry for Orbital Resolution using High Energy Synchrotron Radiation at SPring-8. AIP Conference Proceedings, 2010, , .	0.4	70
20	Comprehensive Structural Study of Glassy and Metastable Crystalline BaTi₂O₅. Chemistry of Materials, 2009, 21, 259-263.	6.7	66
21	Direct Observation of Covalency between O and Disordered Pb in Cubic PbZrO3. Journal of the Physical Society of Japan, 2002, 71, 2353-2356.	1.6	63
22	Superconducting Double Perovskite Bismuth Oxide Prepared by a Lowâ€Temperature Hydrothermal Reaction. Angewandte Chemie - International Edition, 2014, 53, 3599-3603.	13.8	61
23	High-oxygen-pressure crystal growth of ferroelectric Bi4Ti3O12 single crystals. Applied Physics Letters, 2007, 91, 162909.	3.3	58
24	Existence of Fine Structure inside Spin Gap in CeRu2Al10. Journal of the Physical Society of Japan, 2010, 79, 083701.	1.6	58
25	Anisotropic thermal expansion of layeredMoO3crystals. Physical Review B, 2004, 69, .	3.2	57
26	Hydrothermal Synthesis, Crystal Structure, and Superconductivity of a Double-Perovskite Bi Oxide. Chemistry of Materials, 2016, 28, 459-465.	6.7	54
27	Defect-Triggered Phase Transition in Cesium Lead Halide Perovskite Nanocrystals. , 2019, 1, 185-191.		51
28	Observing and Modeling the Sequential Pairwise Reactions that Drive Solidâ€State Ceramic Synthesis. Advanced Materials, 2021, 33, e2100312.	21.0	51
29	Evidence for local monoclinic structure, polarization rotation, and morphotropic phase transitions in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mo>(</mml:mo><mml:mn>1</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi><mml:mo xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline". Physical Review B, 2013, 88, .	3.2	50
30	Antithermal Quenching of Luminescence in Zero-Dimensional Hybrid Metal Halide Solids. Journal of Physical Chemistry Letters, 2020, 11, 2902-2909.	4.6	49
31	Size effect on crystal structure and chemical bonding nature in BaTiO3 nanopowder. Journal of Thermal Analysis and Calorimetry, 2005, 81, 627-630.	3.6	46
32	High-Energy SR Powder Diffraction Evidence of Multisite Disorder of Pb Atom in Cubic Phase of PbZr1-xTixO3. Japanese Journal of Applied Physics, 2005, 44, 7151-7155.	1.5	45
33	Revealing the role of heat treatment in enhancement of electrical properties of lead-free piezoelectric ceramics. Journal of Applied Physics, 2017, 122, .	2.5	45
34	Enhanced piezoelectric response of BaTiO3â€"KNbO3 composites. Applied Physics Letters, 2011, 99, .	3.3	44
35	Doping Induces Structural Phase Transitions in All-Inorganic Lead Halide Perovskite Nanocrystals. , 2020, 2, 367-375.		42
36	Distinctive Charge Density Distributions of Perovskite-Type Antiferroelectric Oxides PbZrO3and PbHfO3in Cubic Phase. Japanese Journal of Applied Physics, 2004, 43, 6799-6802.	1.5	41

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37	Anisotropic Transport Properties of CeRu2Al10. Journal of the Physical Society of Japan, 2010, 79, 063709.	1.6	41
38	Temperature-induced isostructural phase transition, associated large negative volume expansion, and the existence of a critical point in the phase diagram of the multiferroic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mo>(</mml:mo><mml:mn>1</mml:mn><mml:mtext>–</mml:mtext><mml:mi>x</mml:mi><mml:m xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml. Physical Review B, 2011, 84, .	3.2	40
39	Analysis of oxygen vacancy in Co-doped ZnO using the electron density distribution obtained using MEM. Nanoscale Research Letters, 2015, 10, 186.	5.7	40
40	Electric field induced lattice strain in pseudocubic Bi(Mg1/2Ti1/2)O3-modified BaTiO3-BiFeO3 piezoelectric ceramics. Applied Physics Letters, 2016, 108, .	3.3	40
41	Electronic structure and localized lanthanide character of Ln<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>T</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>Al<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow		

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55	Piezoelectricity in perovskite-type pseudo-cubic ferroelectrics by partial ordering of off-centered cations. Communications Materials, 2020, 1, .	6.9	33
56	Evidence for diffuse ferroelectric phase transition and cooperative tricritical freezing of random-site dipoles due to off-centered Bi<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mrow><mml:mn>3</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:math>ions		

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73	Effect of thermal annealing on crystal structures and electrical properties in BaTiO3 ceramics. Journal of Applied Physics, 2018, 124, .	2.5	24
74	Hydrothermal Synthesis and Crystal Structure of a (Ba_{0.54}K_{0.46})₄Bi₄O₁₂ Double-Perovskite Superconductor with Onset of the Transition <i>T</i>_c âˆ¼ 30 K. Inorganic Chemistry, 2019, 58, 11997-12001.	4.0	24
75	Growth of Large-Scale Silver Lithium Niobate Single Crystals and Their Piezoelectric Properties. Japanese Journal of Applied Physics, 2006, 45, 7389-7396.	1.5	23
76	Preparation of barium titanate-bismuth magnesium titanate ceramics with high Curie temperature and their piezoelectric properties. Journal of the Ceramic Society of Japan, 2010, 118, 683-687.	1.1	23
77	MEM Charge Density Study of Olivine LiMPO4 and MPO4 (M = Mn, Fe) as Cathode Materials for Lithium-Ion Batteries. Journal of Physical Chemistry C, 2013, 117, 2608-2615.	3.1	23
78	Polarization Rotation and Monoclinic Distortion in Ferroelectric (Bi0.5Na0.5)TiO3â€“BaTiO3 Single Crystals under Electric Fields. Crystals, 2014, 4, 273-295.	2.2	23
79	Disorder of Pb Atom in Cubic Structure of Pb(Zn1/3Nb2/3)O3â€“PbTiO3System. Japanese Journal of Applied Physics, 2006, 45, 7552-7555.	1.5	22
80	Direct observation of deuterium in ferromagnetic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Zn</mml:mtext></mml:mrow><mml:mrow><mml:mn>0.9</mml: Physical Review B, 2010, 81, .	3.2	22
81	Synchrotron Radiation Study on Time-Resolved Tetragonal Lattice Strain of BaTiO$_{3}$ under Electric Field. Japanese Journal of Applied Physics, 2011, 50, 09NE05.	1.5	22
82	Improper Ferroelectricity in Stuffed Aluminate Sodalites for Pyroelectric Energy Harvesting. Physical Review Applied, 2017, 7, .	3.8	22
83	Na1âˆ’xSn2P2 as a new member of van der Waals-type layered tin pnictide superconductors. Scientific Reports, 2018, 8, 12852.	3.3	22
84	Structural study of perovskite-type fine particles by synchrotron radiation powder diffraction. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 2002, 69, 933-938.	1.4	21
85	Preparation of barium titanate nanoparticle sphere arrays and their dielectric properties. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 1895-1899.	3.0	21
86	DoubleqCondensation at V-Point on the Phase Transition of K3D(SO4)2. Journal of the Physical Society of Japan, 1994, 63, 1803-1807.	1.6	20
87	Preparation of Barium Titanateâ€“Potassium Niobate Nanostructured Ceramics with Artificial Morphotropic Phase Boundary Structure By Solvothermal Method. Japanese Journal of Applied Physics, 2011, 50, 09NC08.	1.5	20
88	In-field Jc improvement by oxygen-free pyrene gas diffusion into highly dense MgB2 superconductor. Journal of Applied Physics, 2011, 109, .	2.5	20
89	Crystal structure, site selectivity, and electronic structure of layered chalcogenide LaOBiPbS ₃. Europhysics Letters, 2017, 119, 26002.	2.0	20
90	Theoryâ€Guided Defect Tuning through Topochemical Reactions for Accelerated Discovery of UVC Persistent Phosphors. Advanced Optical Materials, 2020, 8, 1901727.	7.3	20

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91	Origin of Ultrahigh Dielectric Constants for Barium Titanate Nanoparticles. Journal of the Korean Physical Society, 2007, 51, 878.	0.7	20
92	X-ray-diffraction study of in-plane and interlayer correlations in layered compoundsAgxTiS2. Physical Review B, 1990, 42, 11591-11597.	3.2	19
93	Charge density distribution of transparent p-type semiconductor (LaO)CuS. Applied Physics Letters, 2007, 90, 161916.	3.3	19
94	In-situ electric field induced lattice strain response observation in BiFeO₃â€“BaTiO₃ lead-free piezoelectric ceramics. Journal of the Ceramic Society of Japan, 2018, 126, 316-320.	1.1	19
95	Formation Mechanism of Î²-Li₃PS₄ through Decomposition of Complexes. Inorganic Chemistry, 2021, 60, 6964-6970.	4.0	19
96	Drastic lowering of the order-disorder phase transition temperatures inZr1â^'xMxW2O8â^'y(M=Sc,Y,In)solid solutions. Physical Review B, 2004, 70, .	3.2	18
97	Hydrothermal synthesis and crystal structure analysis of two new cadmium bismuthates, CdBi₂O₆ and Cd_{0.37}Bi_{0.63}O_{1.79}. Journal of Asian Ceramic Societies, 2015, 3, 251-254.	2.3	18
98	Synthesis, Crystal Structure, and Physical Properties of New Layered Oxychalcogenide La₂O₂Bi₃AgS₆. Journal of the Physical Society of Japan, 2017, 86, 124802.	1.6	18
99	Hydrothermal Synthesis of Pyrochlore-Type Pentavalent Bismuthates Ca₂Bi₂O₇ and Sr₂Bi₂O₇. Inorganic Chemistry, 2019, 58, 1759-1763.	4.0	18
100	X-ray study of extremely slow transition in CsZnPO4crystal. Ferroelectrics, 2000, 237, 245-252.	0.6	17
101	Crystal Structure of BaTiO₃â€“KNbO₃ Nanocomposite Ceramics: Relationship between Dielectric Property and Structure of Heteroepitaxial Interface. Japanese Journal of Applied Physics, 2012, 51, 09LE05.	1.5	17
102	Octahedral and trigonal-prismatic coordination preferences in Nb-, Mo-, Ta-, and W-based ABX2 layered oxides, oxynitrides, and nitrides. Journal of Solid State Chemistry, 2015, 229, 272-277.	2.9	17
103	Thermoelectric Properties of the As/P-Based Zintl Compounds EuIn₂As_{2â€“<i>x</i>}P_{<i>x</i>} (<i>x</i> = 0â€“2) and SrSn₂As₂. ACS Applied Energy Materials, 2021, 4, 5155-5164.	5.1	16
104	Short-Range Order and Long-Range Order of Fe Atoms in a Spin-Glass Phase and a Cluster-Glass Phase of Intercalation Compounds FexTiS2. Journal of the Physical Society of Japan, 1994, 63, 4278-4281.	1.6	15
105	CDW-induced negative thermal expansion in two-dimensional conductor Î·-Mo4O11. Solid State Communications, 2003, 125, 45-49.	1.9	15
106	Electron Charge Density Study of (Na1-xKx)NbO3in Cubic Structure. Japanese Journal of Applied Physics, 2008, 47, 7745-7748.	1.5	15
107	Nanostructure Control of Barium Titanateâ€"Potassium Niobate Nanocomplex Ceramics and Their Enhanced Ferroelectric Properties. Japanese Journal of Applied Physics, 2012, 51, 09LC05.	1.5	15
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109	Heterovalent Pb-substitution in ferroelectric bismuth silicate Bi₂SiO₅. Journal of Materials Chemistry C, 2016, 4, 3168-3174.	5.5	15
110	Synthesis, Crystal Structure, and Thermoelectric Properties of Layered Antimony Selenides REOSbSe2 (RE = La, Ce). Journal of the Physical Society of Japan, 2018, 87, 074703.	1.6	15
111	Pretransitional Phenomena at the First-Order Phase Transition in LaNbO4. Journal of the Physical Society of Japan, 1995, 64, 3798-3803.	1.6	14
112	Charge Density Study on Phase Transition in BaTi₂O₅Ferroelectric. Japanese Journal of Applied Physics, 2009, 48, 09KF06.	1.5	14
113	Interpretation of Tm and T* in Relaxor Ferroelectric 0.93Pb(Zn1/3Nb2/3)O3-0.07PbTiO3. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 2159-2164.	3.0	14
114	Hydrothermal Synthesis, Crystal Structure, and Visible-Region Photocatalytic Activity of BaBi₂ O₆. ChemistrySelect, 2017, 2, 4843-4846.	1.5	14
115	Synthesis of rutile-type solid solution Ni_{1â^'x}Co_xTi(Nb_{1â^'y}Ta_y)₂O₈ (0Ââ‰Âx â‰Â1, 0Ââ‰ÂyÂâ‰Â1) and its optical property. Journal of Asian Ceramic Societies, 2017, 5, 284-289.	2.3	14
116	Crystal Structure and Superconductivity of Tetragonal and Monoclinic Ce_{1â€“<i>x</i>}Pr_{<i>x</i>}OBiS₂. Inorganic Chemistry, 2018, 57, 5364-5370.	4.0	14
117	Fabrication of lead-free piezoelectric (Bi0.5Na0.5)TiO3â€“BaTiO3 ceramics using electrophoretic deposition. Journal of Materials Science, 2018, 53, 2396-2404.	3.7	14
118	Flux Growth and Superconducting Properties of (Ce,Pr)OBiS2 Single Crystals. Frontiers in Chemistry, 2020, 8, 44.	3.6	14
119	X-ray diffraction studies on the lock-in phase transition of intramolecular hydrogen-bonded compound d-BrHPLN. Journal of Physics Condensed Matter, 2000, 12, 8345-8356.	1.8	13
120	Study of crystal structure at high temperature phase in KIO3 crystal by synchrotron powder X-ray diffraction. Nuclear Instruments & Methods in Physics Research B, 2003, 199, 49-53.	1.4	13
121	Structure and Physical Properties of Metastable Hexagonal LuFeO₃. Ferroelectrics, 2009, 378, 169-174.	0.6	13
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127	Two competing soft modes and an unusual phase transition in the stuffed tridymite-type oxide<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>BaAl</mml:mi><mml:mn>2</mml:mn></m mathvariant="normal">O</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2016, 93, .	3.2	13
128	n-Type thermoelectric metal chalcogenide (Ag,Pb,Bi)(S,Se,Te) designed by multi-site-type high-entropy alloying. Materials Research Letters, 2021, 9, 366-372.	8.7	13
129	Preparation of Barium Titanateâ€“Potassium Niobate Nanostructured Ceramics with Artificial Morphotropic Phase Boundary Structure By Solvothermal Method. Japanese Journal of Applied Physics, 2011, 50, 09NC08.	1.5	13
130	Neutron powder diffraction study of intercalation compound FexTiS2. Physica B: Condensed Matter, 1995, 213-214, 396-398.	2.7	12
131	Chemical composition dependence of ferroelectric properties for BaTiO₃â€“Bi(Mg_{1/2}Ti_{1/2})O₃â€“BiFeO&lt lead-free piezoelectric ceramics. Journal of the Ceramic Society of Japan, 2013, 121, 855-858.	1.1	12
132	Crystal structure analysis of LiTaO3under electric field. Japanese Journal of Applied Physics, 2015, 54, 10NB03.	1.5	12
133	A-site cation off-centering contribution on ferroelectricity and piezoelectricity in pseudo-cubic perovskite structure of Bi-based lead-free piezoelectrics. Scripta Materialia, 2021, 205, 114176.	5.2	12
134	Nanostructure Control of Barium Titanateâ€“Potassium Niobate Nanocomplex Ceramics and Their Enhanced Ferroelectric Properties. Japanese Journal of Applied Physics, 2012, 51, 09LC05.	1.5	12
135	A unique high pressure apparatus for X-ray diffraction studies of phase transitions up to 5 kbar. Nuclear Instruments & Methods in Physics Research B, 1987, 29, 537-543.	1.4	11
136	X-ray diffraction study of phase transitions in [N(CH3)4]2MnCl4 under pressure. Solid State Communications, 1988, 67, 329-332.	1.9	11
137	Neutron Magnetic Scattering of Intercalation Compounds Fex TiS2. Molecular Crystals and Liquid Crystals, 2000, 341, 15-20.	0.3	11
138	Crystal Growth of Lithium-Doped Silver Niobate Single Crystals and Their Piezoelectric Properties. Ferroelectrics, 2007, 346, 64-71.	0.6	11
139	Charge Density Study of Metastable State in BaTi₂O₅ with Fivefold Coordinated Ti. Japanese Journal of Applied Physics, 2010, 49, 09ME10.	1.5	11
140	Enhanced superconductivity by Na doping in SnAs-based layered compound Na_{1+<i>x</i>}Sn_{2â^’<i>x</i>}As₂. Japanese Journal of Applied Physics, 2019, 58, 083001.	1.5	11
141	Doping-Induced Polymorph and Carrier Polarity Changes in Thermoelectric Ag(Bi,Sb)Se₂ Solid Solution. Inorganic Chemistry, 2019, 58, 7628-7633.	4.0	11
142	Two-fold symmetry of in-plane magnetoresistance anisotropy in the superconducting states of BiCh₂-based LaO_{0.9}F_{0.1}BiSSe single crystal. Journal of Physics Communications, 2020, 4, 095028.	1.2	11
143	Ferroelectric Behaviors in Semiconductive Cd1-xZnxTe Crystals. Japanese Journal of Applied Physics, 1993, 32, 728.	1.5	10
144	Luminescence mechanism of (Pr, Al)-doped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>SrTiO</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:m particles investigated by x-ray absorption spectroscopy. Physical Review B, 2008, 78, .	3.2	10

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145	Preparation of barium titanate-potassium niobate ceramics using interface engineering and their piezoelectric properties. Journal of the Ceramic Society of Japan, 2010, 118, 691-695.	1.1	10
146	Giant dielectric response with metastable phase crystallization from Ba1-Ca Ti2O5 glasses. Journal of Non-Crystalline Solids, 2012, 358, 3505-3509.	3.1	10
147	Synchrotron Radiation Analyses of Domain Switching and Lattice Strain Behaviors for Ferroelectric (Bi0.5Na0.5)TiO3Single Crystals under Electric Fields. Ferroelectrics, 2013, 443, 1-7.	0.6	10
148	Atomic motion of resonantly vibrating quartz crystal visualized by time-resolved X-ray diffraction. Applied Physics Letters, 2015, 107, .	3.3	10
149	Structural Difference in Superconductive and Nonsuperconductive Biâ€“S Planes within Bi4O4Bi2S4 Blocks. Inorganic Chemistry, 2015, 54, 10462-10467.	4.0	10
150	Reaction Mechanism of FePS₃ Electrodes in All-Solid-State Lithium Secondary Batteries Using Sulfide-Based Solid Electrolytes. Journal of the Electrochemical Society, 2018, 165, A2948-A2954.	2.9	10
151	Visualization of spontaneous electronic polarization in Pb ion of ferroelectric PbTiO3 by synchrotron-radiation x-ray diffraction. Applied Physics Letters, 2020, 117, .	3.3	10
152	X-ray diffuse scattering from Î²'-AgZn alloy. Journal of Physics F: Metal Physics, 1988, 18, 2505-2512.	1.6	9
153	Development of a Low-Temperature X-ray Diffractometer with a Weissenberg Camera utilizing an Image Plate. Journal of Applied Crystallography, 1995, 28, 341-346.	4.5	9
154	Thermal Expansion and the Phase Transition in a Langbeinite-Type K2Mn2(SO4)3Single Crystal. Journal of the Physical Society of Japan, 1997, 66, 1840-1841.	1.6	9
155	Order-disorder mechanism of the I-II phase transition inCsZnPO4. Physical Review B, 2003, 67, .	3.2	9
156	Slow Phase Transition and Macroscopic Size-Effect in CsZnPO 4 Crystal. Ferroelectrics, 2003, 291, 3-10.	0.6	9
157	Enhanced Piezoelectric Properties of Barium Titanate-Potassium Niobate Solid Solution System Ceramics by MPB Engineering. Key Engineering Materials, 2010, 445, 11-14.	0.4	9
158	Nanosized hexagonal Mn- and Ga-doped BaTiO3 with reduced structural phase transition temperature. Applied Physics Letters, 2011, 98, 132909.	3.3	9
159	Microstructure Control of Barium Titanate â€“ Potassium Niobate Solid Solution System Ceramics by MPB Engineering and their Piezoelectric Properties. Key Engineering Materials, 2011, 485, 89-92.	0.4	9
160	Site-Selective Calcium Substitution in BaTi2O5: Effect on the Crystal Structure and the Ferroelectric Phase Transition. Journal of the Physical Society of Japan, 2012, 81, 014706.	1.6	9
161	Electronic Polarization in KNbO₃Visualized by Synchrotron Radiation Powder Diffraction. Japanese Journal of Applied Physics, 2013, 52, 09KF04.	1.5	9
162	Crystal structure, photocatalytic and dielectric property of ATiM₂O₈ (A: Mg,) Tj ETQq0 0 0 rgBT /Overlock 10	2.3	9

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163	Development of an apparatus for Bragg coherent X-ray diffraction imaging, and its application to the three dimensional imaging of BaTiO₃nano-crystals. Japanese Journal of Applied Physics, 2019, 58, SLLA05.	1.5	9
164	Electric-field-induced structural changes for cubic system of lead-free and lead-based perovskite-type oxides. Japanese Journal of Applied Physics, 2020, 59, SPPA05.	1.5	9
165	Synchrotron Radiation Study on Time-Resolved Tetragonal Lattice Strain of BaTiO₃under Electric Field. Japanese Journal of Applied Physics, 2011, 50, 09NE05.	1.5	9
166	Neutron and synchrotron radiation studies of the phase transition ofh-BaTiO3. Ferroelectrics, 1998, 217, 1-7.	0.6	8
167	Particle-size effect on the III-IV phase transition inCsZnPO4. Physical Review B, 2003, 68, .	3.2	8
168	Electron Charge Density Study on the Bonding Nature in MoO3. Journal of the Physical Society of Japan, 2003, 72, 2811-2815.	1.6	8
169	Electron Charge Density Study on Antiferroelectric Phase Transition in PbZrO₃. Ferroelectrics, 2007, 354, 158-166.	0.6	8
170	Particle size effect on the new phase transition in a tridymite compound, CsCoPO4. Journal of Thermal Analysis and Calorimetry, 2008, 92, 451-455.	3.6	8
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181	Charge density distribution ofKMnF3under high pressure. Physical Review B, 2008, 78, .	3.2	7
182	Structural Characteristics of (Ba_{0.94}Gd_{0.06})(Ti_{0.97}Mg_{0.03})O₃in Cubic Structure Determined by High-Energy Synchrotron-Radiation Powder Diffraction. Japanese Journal of Applied Physics, 2009, 48, 09KF03.	1.5	7
183	Enhanced polarization switching in ferroelectric Bi_{0.5}Na_{0.5}TiO₃ single crystals by defect control. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 791-795.	1.8	7
184	Stabilization of metastable ferroelectric Ba1â^'xCaxTi2O5 by breaking Ca-site selectivity via crystallization from glass. Scientific Reports, 2013, 3, 3010.	3.3	7
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