

Yoshihiro Kuroiwa

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Mn ²⁺ /Nb co-doping in barium titanate ceramics by different solid-state reaction routes for temperature stable and DC-bias free dielectrics. <i>Ceramics International</i> , 2022, 48, 2154-2160.	2.3	8
2	Lattice Anharmonicity in Bi ₂ -Based Layered Superconductor RE(O,F)BiS ₂ (RE = Tl, ETQq0,0,0 rgBT ₂ /Overlock	0.7	2
3	The ferroelectric phase transition in a 500 nm sized single particle of BaTiO ₃ tracked by coherent X-ray diffraction. <i>Japanese Journal of Applied Physics</i> , 2022, 61, SN1008.	0.8	3
4	The crystal structure and electrical/thermal transport properties of Li _{1-x} Sn _{2+x} P ₂ and its performance as a Li-ion battery anode material. <i>Journal of Materials Chemistry A</i> , 2021, 9, 7034-7041.	5.2	7
5	Size effect of the guest cation on the AlO ₄ framework in aluminate sodalite-type oxides M ₈ [Al ₁₂ O ₂₄](SO ₄) ₂ (M = Tl, ETQq1, 1, 0.7843, 1.4	0.5	1
6	Non-Rare-Earth UVC Persistent Phosphors Enabled by Bismuth Doping. <i>Advanced Optical Materials</i> , 2021, 9, 2002065.	3.6	27
7	Thermoelectric Properties of the As/P-Based Zintl Compounds EuIn ₂ As ₂ (x = 0) and SrSn ₂ As ₂ . <i>ACS Applied Energy Materials</i> , 2021, 4, 5155-5164.	2.5	16
8	Formation Mechanism of ¹² Li ₃ PS ₄ through Decomposition of Complexes. <i>Inorganic Chemistry</i> , 2021, 60, 6964-6970.	1.9	19
9	n-Type thermoelectric metal chalcogenide (Ag,Pb,Bi)(S,Se,Te) designed by multi-site-type high-entropy alloying. <i>Materials Research Letters</i> , 2021, 9, 366-372.	4.1	13
10	Observing and Modeling the Sequential Pairwise Reactions that Drive Solid-State Ceramic Synthesis. <i>Advanced Materials</i> , 2021, 33, e2100312.	11.1	51
11	Phase transition, magnetic, and electronic properties of CeOInS ₂ . <i>Journal of the Ceramic Society of Japan</i> , 2021, 129, 249-253.	0.5	1
12	Bragg coherent diffraction imaging allowing simultaneous retrieval of three-dimensional shape and strain distribution for 40–500 nm particles. <i>Japanese Journal of Applied Physics</i> , 2021, 60, SFFA07.	0.8	7
13	Synthesis of Pb(Zr, Ti)O ₃ fine ceramic powder at room temperature by dry mechanochemical solid-state reaction evaluated using synchrotron radiation X-ray diffraction. <i>Japanese Journal of Applied Physics</i> , 2021, 60, SFFA02.	0.8	4
14	Material softening by cation off-centering in Bi-based lead-free piezoelectric ceramics. <i>Japanese Journal of Applied Physics</i> , 2021, 60, SFFD01.	0.8	7
15	A-site cation off-centering contribution on ferroelectricity and piezoelectricity in pseudo-cubic perovskite structure of Bi-based lead-free piezoelectrics. <i>Scripta Materialia</i> , 2021, 205, 114176.	2.6	12
16	Structural Transition with a Sharp Change in the Electrical Resistivity and Spin-Orbit Mott Insulating State in a Rhenium Oxide, Sr ₃ Re ₂ O ₉ . <i>Inorganic Chemistry</i> , 2021, 60, 507-514.	1.9	4
17	Theory-Guided Defect Tuning through Topochemical Reactions for Accelerated Discovery of UVC Persistent Phosphors. <i>Advanced Optical Materials</i> , 2020, 8, 1901727.	3.6	20
18	Charge ordering and successive phase transitions of mixed-valence iron oxide GdBaFe ₂ O ₅ . <i>Journal of Solid State Chemistry</i> , 2020, 282, 121069.	1.4	5

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19	Improvement of superconducting properties by chemical pressure effect in Eu-doped La ₂ -EuO ₂ Bi ₃ Ag _{0.6} Sn _{0.4} S ₆ . <i>Physica C: Superconductivity and Its Applications</i> , 2020, 576, 1353731.	0.6	4
20	Piezoelectricity in perovskite-type pseudo-cubic ferroelectrics by partial ordering of off-centered cations. <i>Communications Materials</i> , 2020, 1, .	2.9	33
21	Electric-field-induced structural changes for cubic system of lead-free and lead-based perovskite-type oxides. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SPPA05.	0.8	9
22	Synchrotron radiation X-ray diffraction evidence for nature of chemical bonds in Bi ₄ Ti ₃ O ₁₂ ceramic powders and grain-orientation mechanism of their films formed by aerosol deposition method. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SPPA04.	0.8	4
23	Evolution of two bulk-superconducting phases in Sr _{0.5} RE _{0.5} BiS ₂ (RE: La, Ce, Pr, Nd, Sm) by external hydrostatic pressure effect. <i>Scientific Reports</i> , 2020, 10, 12880.	1.6	4
24	Structural Phase Diagram of LaO _{1-x} F _x BiSSe: Suppression of the Structural Phase Transition by Partial F Substitutions. <i>Condensed Matter</i> , 2020, 5, 81.	0.8	8
25	Crystal Structure and Thermoelectric Transport Properties of As-Doped Layered Pnictogen Oxyselenides NdO _{0.8} F _{0.2} Sb _{1-x} As _x Se ₂ . <i>Materials</i> , 2020, 13, 2164.	1.3	1
26	Bulk Superconductivity Induced by Se Substitution in Self-Doped BiCh ₂ -Based Compound CeOBiS ₂ _x Se _x . <i>Journal of the Physical Society of Japan</i> , 2020, 89, 064702.	0.7	3
27	Doping Induces Structural Phase Transitions in All-Inorganic Lead Halide Perovskite Nanocrystals. , 2020, 2, 367-375.		42
28	Antithermal Quenching of Luminescence in Zero-Dimensional Hybrid Metal Halide Solids. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2902-2909.	2.1	49
29	Rotational intersite displacement of disordered lead atoms in a relaxor ferroelectric during piezoelectric lattice straining and ferroelectric domain switching. <i>Physical Review B</i> , 2020, 101, .	1.1	5
30	Flux Growth and Superconducting Properties of (Ce,Pr)OBiS ₂ Single Crystals. <i>Frontiers in Chemistry</i> , 2020, 8, 44.	1.8	14
31	Visualization of spontaneous electronic polarization in Pb ion of ferroelectric PbTiO ₃ by synchrotron-radiation x-ray diffraction. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	10
32	Two-fold symmetry of in-plane magnetoresistance anisotropy in the superconducting states of BiCh ₂ -based LaO _{0.9} F _{0.1} BiSSe single crystal. <i>Journal of Physics Communications</i> , 2020, 4, 095028.	0.5	11
33	Charge order of bismuth ions and nature of chemical bonds in double perovskite-type oxide BaBiO ₃ visualized by synchrotron radiation X-ray diffraction. <i>Japanese Journal of Applied Physics</i> , 2020, 59, 095505.	0.8	2
34	Defective [Bi ₂ O ₂] ²⁺ Layers Exhibiting Ultrabroad Near-Infrared Luminescence. <i>Chemistry - A European Journal</i> , 2019, 25, 12842-12848.	1.7	4
35	Enhanced superconductivity by Na doping in SnAs-based layered compound Na _{1+x} Sn ₂ As ₂ . <i>Japanese Journal of Applied Physics</i> , 2019, 58, 083001.	0.8	11
36	Synthesis of Sm ₂ Fe ₁₇ N ₃ powder having a new level of high coercivity by preventing decrease of coercivity in washing step of reduction-diffusion process. <i>Journal of Alloys and Compounds</i> , 2019, 804, 237-242.	2.8	28

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37	An electronic structure governed by the displacement of the indium site in $\text{In}^{\text{S}}\text{O}_6$ octahedra: LnOInS_2 (Ln = La, Ce, and Pr). Dalton Transactions, 2019, 48, 12272-12278.	1.6	8
38	Development of an apparatus for Bragg coherent X-ray diffraction imaging, and its application to the three dimensional imaging of BaTiO_3 nano-crystals. Japanese Journal of Applied Physics, 2019, 58, SLLA05.	0.8	9
39	Antiferroelectric to Antiferroelectric-Relaxor Phase Transition in Calcium Strontium Sulfoaluminate. Inorganic Chemistry, 2019, 58, 15410-15416.	1.9	8
40	Structural fluctuation of $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ in the cubic phase. Japanese Journal of Applied Physics, 2019, 58, SLLA06.	0.8	3
41	Hydrothermal Synthesis and Crystal Structure of a $(\text{Ba}_{0.54}\text{K}_{0.46})_{4}\text{Bi}_4\text{O}_{12}$ Double-Perovskite Superconductor with Onset of the Transition $T_c \approx 30$ K. Inorganic Chemistry, 2019, 58, 11997-12001.	1.9	24
42	Pressure-induced superconductivity in the layered pnictogen diselenide $\text{NdO}_{0.8}\text{FO}_{2.2}\text{Sb}_{1-x}\text{Bi}_x\text{Se}_2$ ($x=0.3$ and 0.7). Physical Review B, 2019, 100, .	1.1	3
43	Defect-Triggered Phase Transition in Cesium Lead Halide Perovskite Nanocrystals. , 2019, 1, 185-191.		51
44	High-Efficiency Violet-Emitting All-Inorganic Perovskite Nanocrystals Enabled by Alkaline-Earth Metal Passivation. Chemistry of Materials, 2019, 31, 3974-3983.	3.2	90
45	Doping-Induced Polymorph and Carrier Polarity Changes in Thermoelectric $\text{Ag}(\text{Bi,Sb})\text{Se}_2$ Solid Solution. Inorganic Chemistry, 2019, 58, 7628-7633.	1.9	11
46	Structural Phase Transitions and Possibility of the Relaxor-like State in Improper Ferroelectric Strontium-Substituted Calcium Sulfoaluminates. Journal of the Physical Society of Japan, 2019, 88, 034718.	0.7	6
47	Improvement of superconducting properties by high mixing entropy at blocking layers in BiS_2 -based superconductor $\text{REO}_{0.5}\text{FO}_{0.5}\text{BiS}_2$. Solid State Communications, 2019, 295, 43-49.	0.9	34
48	Effect of Bi Substitution on Thermoelectric Properties of SbSe_2 -based Layered Compounds $\text{NdO}_{0.8}\text{FO}_{2.2}\text{Sb}_{1-x}\text{Bi}_x\text{Se}_2$. Journal of the Physical Society of Japan, 2019, 88, 024705.	0.7	5
49	Synthesis and crystal structure of a new bismuth tin titanate with the pyrochlore-type structure. Journal of the Ceramic Society of Japan, 2019, 127, 952-957.	0.5	1
50	Hydrothermal Synthesis of Pyrochlore-Type Pentavalent Bismuthates $\text{Ca}_2\text{Bi}_2\text{O}_7$ and $\text{Sr}_2\text{Bi}_2\text{O}_7$. Inorganic Chemistry, 2019, 58, 1759-1763.	1.9	18
51	Evolution of Anisotropic Displacement Parameters and Superconductivity with Chemical Pressure in BiS_2 -Based $\text{REO}_{0.5}\text{FO}_{0.5}\text{BiS}_2$ (RE = La, Ce, Pr, and Nd). Journal of the Physical Society of Japan, 2018, 87, 023704.	0.7	34
52	Crystal Structure and Superconductivity of Tetragonal and Monoclinic $\text{Ce}_x\text{Pr}_{1-x}\text{OBiS}_2$. Inorganic Chemistry, 2018, 57, 5364-5370.	1.9	14
53	Ion-Exchangeable Microporous Polyoxometalate Compounds with Off-Center Dopants Exhibiting Unconventional Luminescence. Chemistry - A European Journal, 2018, 24, 9976-9982.	1.7	3
54	$\text{Cs}_4\text{PbBr}_6/\text{CsPbBr}_3$ 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.	4.0	135

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55	Transformation of Perovskite BaBiO ₃ into Layered BaBiO _{2.5} Crystals Featuring Unusual Chemical Bonding and Luminescence. Chemistry - A European Journal, 2018, 24, 8875-8882.	1.7	1
56	Effect of Te substitution on crystal structure and transport properties of AgBiSe ₂ thermoelectric material. Dalton Transactions, 2018, 47, 2575-2580.	1.6	38
57	Anomalous atomic displacement parameters and local dynamics in the Curie range of a Pb-free relaxor ferroelectric system (Bi _{1-x} Ba _x)(Fe _{1-x} Ti _x)O ₃ (0.36 ≤ x ≤ 0.50). Journal of Applied Physics, 2018, 123, 164103.	1.1	2
58	Synthesis, crystal structure and optical absorption of NaInS ₂ -Se. Journal of Alloys and Compounds, 2018, 750, 409-413.	2.8	8
59	Fabrication and piezoelectric properties of BaTiO ₃ /BaTiO ₃ -Bi(Mg _{1/2} Ti _{1/2})O ₃ -BiFeO ₃ composites. Ceramics International, 2018, 44, 10657-10662.	2.3	5
60	Fabrication of lead-free piezoelectric (Bi _{0.5} Na _{0.5})TiO ₃ ∕BaTiO ₃ ceramics using electrophoretic deposition. Journal of Materials Science, 2018, 53, 2396-2404.	1.7	14
61	Time-resolved structure analysis of piezoelectric crystals by X-ray diffraction under alternating electric field. Japanese Journal of Applied Physics, 2018, 57, 11UB06.	0.8	4
62	Study of materials structure physics of isomorphous LiNbO ₃ and LiTaO ₃ ferroelectrics by synchrotron radiation X-ray diffraction. Japanese Journal of Applied Physics, 2018, 57, 11UB04.	0.8	7
63	X-ray-activated long persistent phosphors featuring strong UVC afterglow emissions. Light: Science and Applications, 2018, 7, 88.	7.7	159
64	Crystal structure, photocatalytic and dielectric property of ATiM ₂ O ₈ (A: Mg, Tj ETQq0 0,0rgBT /Oyerlock 10	1.0	
65	Reaction Mechanism of FePS ₃ Electrodes in All-Solid-State Lithium Secondary Batteries Using Sulfide-Based Solid Electrolytes. Journal of the Electrochemical Society, 2018, 165, A2948-A2954.	1.3	10
66	Na _{1-x} Sn ₂ P ₂ as a new member of van der Waals-type layered tin pnictide superconductors. Scientific Reports, 2018, 8, 12852.	1.6	22
67	Crystal Structure, Thermal Behavior, and Photocatalytic Activity of NaBiO ₃ ∕H ₂ O. Inorganic Chemistry, 2018, 57, 8903-8908.	1.9	26
68	Effect of thermal annealing on crystal structures and electrical properties in BaTiO ₃ ceramics. Journal of Applied Physics, 2018, 124, .	1.1	24
69	In-situ electric field induced lattice strain response observation in BiFeO ₃ ∕BaTiO ₃ ∕lead-free piezoelectric ceramics. Journal of the Ceramic Society of Japan, 2018, 126, 316-320.	0.5	19
70	Synchrotron-radiation X-ray diffraction evidence of the emergence of ferroelectricity in LiTaO ₃ by ordering of a disordered Li ion in the polar direction. Applied Physics Express, 2018, 11, 071501.	1.1	5
71	Synthesis, Crystal Structure, and Thermoelectric Properties of Layered Antimony Selenides REOSbSe ₂ (RE = La, Ce). Journal of the Physical Society of Japan, 2018, 87, 074703.	0.7	15
72	Hydrothermal Synthesis, Structure, and Superconductivity of Simple Cubic Perovskite (Ba _{0.62} K _{0.38})(Bi _{0.92} Mg _{0.08})O ₃ with <i>T_c</i> ≈ 30 K. Inorganic Chemistry, 2017, 56, 3174-3181.	1.9	26

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73	Hydrothermal Synthesis, Crystal Structure, and Visible-Region Photocatalytic Activity of BaBi ₂ O ₆ . ChemistrySelect, 2017, 2, 4843-4846.	0.7	14
74	Bi Substitution Effects on Superconductivity of Valence-Skip Superconductor AgSnSe ₂ . Journal of the Physical Society of Japan, 2017, 86, 054711.	0.7	3
75	Electrochemical and structural study on LiMn _{0.8} Fe _{0.2} PO ₄ and Mn _{0.8} Fe _{0.2} PO ₄ battery cathodes: diffusion limited lithium transport. Journal of Solid State Electrochemistry, 2017, 21, 3221-3228.	1.2	0
76	Synthesis, structure and photocatalytic activity of layered LaOInS ₂ . Journal of Materials Chemistry A, 2017, 5, 14270-14277.	5.2	30
77	Structural and electrical characteristics of potential candidate lead-free BiFeO ₃ -BaTiO ₃ piezoelectric ceramics. Journal of Applied Physics, 2017, 122, .	1.1	95
78	Intrinsic Phase Diagram of Superconductivity in the BiCh ₂ -Based System Without In-Plane Disorder. Journal of the Physical Society of Japan, 2017, 86, 074701.	0.7	35
79	Crystal structure, site selectivity, and electronic structure of layered chalcogenide LaOBiPbS ₃ . Europhysics Letters, 2017, 119, 26002.	0.7	20
80	Formation of ferromagnetic Co ²⁺ -Co complex and spin-polarized conduction band in Co-doped ZnO. Scientific Reports, 2017, 7, 11101.	1.6	7
81	High-throughput powder diffraction measurement system consisting of multiple MYTHEN detectors at beamline BL02B2 of SPring-8. Review of Scientific Instruments, 2017, 88, 085111.	0.6	253
82	Improper Ferroelectricity in Stuffed Aluminate Sodalites for Pyroelectric Energy Harvesting. Physical Review Applied, 2017, 7, .	1.5	22
83	Synthesis of rutile-type solid solution Ni _{1-x} Co _x Ti(Nb _y Ta _y) ₂ O ₈ (O ²⁻ , O ²⁻) and its optical property. Journal of Asian Ceramic Societies, 2017, 5, 284-289.	1.0	14
84	Synthesis, Crystal Structure, and Physical Properties of New Layered Oxychalcogenide La ₂ O ₂ Bi ₃ AgS ₆ . Journal of the Physical Society of Japan, 2017, 86, 124802.	0.7	18
85	Structure fluctuation in Gd- and Mg-substituted BaTiO ₃ with cubic structure. Japanese Journal of Applied Physics, 2017, 56, 10PB10.	0.8	7
86	Charge-density study on layered oxyarsenides (LaO)MAs (M = Mn, Fe, Ni, Zn). Applied Physics Express, 2017, 10, 123001.	1.1	4
87	Revealing the role of heat treatment in enhancement of electrical properties of lead-free piezoelectric ceramics. Journal of Applied Physics, 2017, 122, .	1.1	45
88	Hydrothermal synthesis and crystal structure of a new lithium copper bismuth oxide, LiCuBiO ₄ . Journal of Solid State Chemistry, 2017, 245, 30-33.	1.4	7
89	Synthesis and crystal structure of pyrochlore-type silver niobate and tantalate. Journal of the Ceramic Society of Japan, 2017, 125, 776-778.	0.5	6
90	Unconventional Luminescent Centers in Metastable Phases Created by Topochemical Reduction Reactions. Angewandte Chemie, 2016, 128, 5051-5055.	1.6	6

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91	Polarization twist in perovskite ferrielectrics. Scientific Reports, 2016, 6, 32216.	1.6	26
92	Electric field induced lattice strain in pseudocubic Bi(Mg _{1/2} Ti _{1/2})O ₃ -modified BaTiO ₃ -BiFeO ₃ piezoelectric ceramics. Applied Physics Letters, 2016, 108, .	1.5	40
93	Compositional and temperature evolution of crystal structure of new thermoelectric compound LaOBiS ₂ xSe _x . Journal of Applied Physics, 2016, 119, 155103.	1.1	29
94	Control of magneto-transport characteristics of Co-doped ZnO by electron beam irradiation. RSC Advances, 2016, 6, 41067-41073.	1.7	7
95	Adsorption Behavior of Rare Earth Metal Cations in the Interlayer Space of $\text{H}^3\text{-ZrP}$. Langmuir, 2016, 32, 9993-9999.	1.6	5
96	Two competing soft modes and an unusual phase transition in the stuffed tridymite-type oxide $\text{BaAl}_{1/2}\text{Mn}_2\text{O}_4$. Physical Review B, 2016, 93, .	1.3	13
97	Structural Study of Ferroelectrics under Applied Electric Field. Nihon Kessho Gakkaishi, 2016, 58, 167-173.	0.0	0
98	Off-centering of rare-earth ion in (Ba,R)(Ti,Mg)O ₃ (R= Gd, Dy). Japanese Journal of Applied Physics, 2016, 55, 10TC08.	0.8	2
99	Unconventional Luminescent Centers in Metastable Phases Created by Topochemical Reduction Reactions. Angewandte Chemie - International Edition, 2016, 55, 4967-4971.	7.2	29
100	Heterovalent Pb-substitution in ferroelectric bismuth silicate Bi ₂ SiO ₅ . Journal of Materials Chemistry C, 2016, 4, 3168-3174.	2.7	15
101	Hydrothermal Synthesis, Crystal Structure, and Superconductivity of a Double-Perovskite Bi Oxide. Chemistry of Materials, 2016, 28, 459-465.	3.2	54
102	Structures and optical absorption of Bi ₂ OS ₂ and LaOBiS ₂ . Solid State Communications, 2016, 227, 19-22.	0.9	35
103	Time-resolved crystal structure analysis of resonantly vibrating langasite oscillator. Japanese Journal of Applied Physics, 2016, 55, 10TC05.	0.8	7
104	Atomic motion of resonantly vibrating quartz crystal visualized by time-resolved X-ray diffraction. Applied Physics Letters, 2015, 107, .	1.5	10
105	In-plane chemical pressure essential for superconductivity in BiCh ₂ -based (Ch: S, Se) layered structure. Scientific Reports, 2015, 5, 14968.	1.6	104
106	Structural and electrochemical properties of 20-micron Li(Co _{1-x} Li _x)O ₂ agglomerates with layered structures: Identification of tetravalent cobalt. Journal of Physics and Chemistry of Solids, 2015, 87, 48-52.	1.9	2
107	Large Electric-field-induced Strain in Pseudo-cubic BaTiO ₃ -Bi(Mg _{0.5} Ti _{0.5})O ₃ -BiFeO ₃ Ceramics. Transactions of the Materials Research Society of Japan, 2015, 40, 295-299.	0.8	8
108	Hydrothermal synthesis and crystal structure analysis of two new cadmium bismuthates, CdBi ₂ O ₆ and Cd _{0.37} Bi _{0.63} O _{1.79} . Journal of Asian Ceramic Societies, 2015, 3, 251-254.	1.0	18

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109	Analysis of oxygen vacancy in Co-doped ZnO using the electron density distribution obtained using MEM. <i>Nanoscale Research Letters</i> , 2015, 10, 186.	3.1	40
110	Crystal structure analysis of LiTaO ₃ under electric field. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 10NB03.	0.8	12
111	Role of structure gradient region on dielectric properties in Ba(Zr,Ti)O ₃ -KNbO ₃ nanocomposite ceramics. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 10NB04.	0.8	3
112	Pr- and La-doping effects on the magnetic anisotropy in the antiferromagnetic phase of Kondo semiconductor $\text{CeRu}_{1-x}\text{Mn}_x\text{M}_2$ <i>Physical Review B</i> , 2015, 91, .	1.1	6
113	Octahedral and trigonal-prismatic coordination preferences in Nb-, Mo-, Ta-, and W-based ABX ₂ layered oxides, oxynitrides, and nitrides. <i>Journal of Solid State Chemistry</i> , 2015, 229, 272-277.	1.4	17
114	Hydrothermal synthesis of a new Bi-based (Ba _{0.82} K _{0.18})(Bi _{0.53} Pb _{0.47})O ₃ superconductor. <i>Journal of Alloys and Compounds</i> , 2015, 634, 208-214.	2.8	38
115	Expansion of the Hexagonal Phase-Forming Region of Lu _x Sc _{1-x} FeO ₃ by Containerless Processing. <i>Inorganic Chemistry</i> , 2015, 54, 9432-9437.	1.9	30
116	Structural Difference in Superconductive and Nonsuperconductive Bi ²⁺ S Planes within Bi ₄ O ₄ Bi ₂ S ₄ Blocks. <i>Inorganic Chemistry</i> , 2015, 54, 10462-10467.	1.9	10
117	Polarization Rotation and Monoclinic Distortion in Ferroelectric (Bi _{0.5} Na _{0.5})TiO ₃ -BaTiO ₃ Single Crystals under Electric Fields. <i>Crystals</i> , 2014, 4, 273-295.	1.0	23
118	Off-centering of a Bi ion in cubic phase of (Bi _{1/2} Na _{1/2})TiO ₃ . <i>Japanese Journal of Applied Physics</i> , 2014, 53, 09PD02.	0.8	33
119	Crystal structures and ferromagnetism of Fe _x WN ₂ (x ^{1/4} 0.74, 0.90) with defective iron triangular lattice. <i>Journal of Alloys and Compounds</i> , 2014, 593, 154-157.	2.8	7
120	⁷ Li NMR study of milling effects on instability of lithium-sites in lithium substituted silver niobate. <i>Solid State Ionics</i> , 2014, 262, 202-205.	1.3	0
121	Non-180° polarization rotation of ferroelectric (Bi _{0.5} Na _{0.5})TiO ₃ single crystals under electric field. <i>Physical Review B</i> , 2014, 89, .	1.1	29
122	Superconducting Double Perovskite Bismuth Oxide Prepared by a Low-Temperature Hydrothermal Reaction. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3599-3603.	7.2	61
123	SXRD Charge Density of KNbO ₃ Ferroelectric Perovskite. <i>Ferroelectrics</i> , 2014, 462, 1-7.	0.3	0
124	Solvothermal preparation of potassium niobate/barium titanate nanocomplex ceramics with three dimensional network-configuration of structure-gradient region and their dielectric properties. <i>Journal of Applied Physics</i> , 2013, 114, 074103.	1.1	8
125	Bonding Preference of Carbon, Nitrogen, and Oxygen in Niobium-Based Rock-Salt Structures. <i>Inorganic Chemistry</i> , 2013, 52, 9699-9701.	1.9	13
126	Polarization-switching dynamics and microstructures of ferroelectric (Bi _{0.5} Na _{0.5})TiO ₃ single crystals. <i>Journal of the Korean Physical Society</i> , 2013, 62, 1035-1040.	0.3	2

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127	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
128	Piezoelectric enhancement of new ceramics with artificial MPB engineering. Sensors and Actuators A: Physical, 2013, 200, 26-30.	2.0	2
129	Enhanced polarization switching in ferroelectric Bi _{0.5} Na _{0.5} TiO ₃ single crystals by defect control. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 791-795.	0.8	7
130	Stabilization of metastable ferroelectric Ba _{1-x} Ca _x Ti ₂ O ₅ by breaking Ca-site selectivity via crystallization from glass. Scientific Reports, 2013, 3, 3010. Evidence for local monoclinic structure, polarization rotation, and morphotropic phase transitions	1.6	7
131	in $\left(\text{Ba}_{1-x}\text{Ca}_x\text{Ti}_2\text{O}_5 \right)_x \left(\text{Ba}_{1-x}\text{Ca}_x\text{Ti}_2\text{O}_5 \right)_y$ $\left(\text{Ba}_{1-x}\text{Ca}_x\text{Ti}_2\text{O}_5 \right)_x \left(\text{Ba}_{1-x}\text{Ca}_x\text{Ti}_2\text{O}_5 \right)_y$ $\left(\text{Ba}_{1-x}\text{Ca}_x\text{Ti}_2\text{O}_5 \right)_x \left(\text{Ba}_{1-x}\text{Ca}_x\text{Ti}_2\text{O}_5 \right)_y$. Physical Review B, 2013, 88, .	1.1	50
132	Weak Ferromagnetic Transition with a Dielectric Anomaly in Hexagonal Lu _{0.5} Sc _{0.5} FeO ₃ . Inorganic Chemistry, 2013, 52, 11889-11894.	1.9	38
133			

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