

# Takuya Hashimoto

## List of Publications by Citations

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143  
papers

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26  
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44  
g-index

151  
ext. papers

2,586  
ext. citations

2.6  
avg, IF

4.54  
L-index

#	Paper	IF	Citations
143	Electrical and Ionic Conductivity of Gd-Doped Ceria. <i>Journal of the Electrochemical Society</i> , <b>2000</b> , 147, 3606	3.9	220
142	Electronic conductivity, Seebeck coefficient, defect and electronic structure of nonstoichiometric $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ . <i>Solid State Ionics</i> , <b>2000</b> , 132, 167-180	3.3	172
141	Development and application of a microbeam plasma generator. <i>Applied Physics Letters</i> , <b>1992</b> , 60, 816-817	1.4	122
140	New oxide phase with wide band gap and high electroconductivity, $\text{MgIn}_2\text{O}_4$ . <i>Applied Physics Letters</i> , <b>1992</b> , 61, 1954-1955	3.4	108
139	High-Tc Superconductivity in Screen Printed Yb-Ba-Cu-O Films. <i>Japanese Journal of Applied Physics</i> , <b>1987</b> , 26, L761-L762	1.4	78
138	New oxide phase with wide band gap and high electroconductivity $\text{CdGa}_2\text{O}_4$ spinel. <i>Applied Physics Letters</i> , <b>1993</b> , 62, 499-500	3.4	72
137	Preparation of $\text{MgIn}_2\text{O}_4$ -Thin Films on Glass Substrate by RF Sputtering. <i>Japanese Journal of Applied Physics</i> , <b>1993</b> , 32, L1260-L1262	1.4	61
136	Chemical Interaction between $\text{Ba}_2\text{YCu}_3\text{O}_7$ -and Substrate Materials in the Solid State. <i>Japanese Journal of Applied Physics</i> , <b>1988</b> , 27, L1216-L1218	1.4	60
135	Nonstoichiometry of $\text{Ce}_{0.8}\text{Gd}_{0.2}\text{O}_{1.9}$ . <i>Journal of the Electrochemical Society</i> , <b>1997</b> , 144, 4076-4080	3.9	56
134	Expansion Behavior of $\text{Ce}_{1-y}\text{Gd}_y\text{O}_{2.005y}$ under Various Oxygen Partial Pressures Evaluated by HTXRD. <i>Journal of the Electrochemical Society</i> , <b>2003</b> , 150, A952	3.9	55
133	Oxygen nonstoichiometry of $\text{Ce}_{1-y}\text{Sm}_y\text{O}_{2.5y}$ ( $y=0.1, 0.2$ ). <i>Solid State Ionics</i> , <b>1999</b> , 126, 349-357	3.3	52
132	Defect Chemistry of $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ Oxygen Nonstoichiometry and Thermodynamic Stability. <i>Journal of Solid State Chemistry</i> , <b>1997</b> , 131, 150-159	3.3	47
131	Thermal Expansion Coefficients of High-Tc Superconductors. <i>Japanese Journal of Applied Physics</i> , <b>1988</b> , 27, L214-L216	1.4	44
130	Refinement of crystal structural parameters and charge density using convergent-beam electron diffraction--the rhombohedral phase of $\text{LaCrO}_3$ . <i>Acta Crystallographica Section A: Foundations and Advances</i> , <b>2002</b> , 58, 514-25		43
129	Absorption and secession of $\text{H}_2\text{O}$ and $\text{CO}_2$ on $\text{Ba}_2\text{In}_2\text{O}_5$ and their effects on crystal structure. <i>Solid State Ionics</i> , <b>2000</b> , 128, 227-231	3.3	41
128	Evaluation of thermodynamic and kinetic stability of $\text{CuAlO}_2$ and $\text{CuGaO}_2$ . <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2010</b> , 99, 57-63	4.1	37
127	The electrical conductivity and structural phase transitions of cation-substituted $\text{Ba}_2\text{In}_2\text{O}_5$ . <i>Solid State Ionics</i> , <b>2004</b> , 169, 9-13	3.3	34

126	Thermodynamic Estimation of Oxidation Ability of Various Gases Used for the Preparation of Superconducting Films at High Vacuum. <i>Japanese Journal of Applied Physics</i> , <b>1991</b> , 30, 1685-1686	1.4	32
125	Sintering temperature dependence of conductivity, porosity and specific surface area of LaNi <sub>0.6</sub> Fe <sub>0.4</sub> O <sub>3</sub> ceramics as cathode material for solid oxide fuel cells. Superiority of Pechini method among various solution mixing processes. <i>Materials Research Bulletin</i> , <b>2013</b> , 48, 1-6	5.1	30
124	Preparation of Dense ZrO <sub>2</sub> /ZrW <sub>2</sub> O <sub>8</sub> Cosintered Ceramics with Controlled Thermal Expansion Coefficients. <i>Journal of the Ceramic Society of Japan</i> , <b>2004</b> , 112, 271-275		30
123	Preparation of (La <sub>1-x</sub> Sr <sub>x</sub> ) <sub>2</sub> CuO <sub>4</sub> -Superconducting Films by Screen Printing Method. <i>Japanese Journal of Applied Physics</i> , <b>1987</b> , 26, L399-L401	1.4	30
122	Some Problems in the Preparation of Superconducting Oxide Films on Ceramic Substrates. <i>Japanese Journal of Applied Physics</i> , <b>1987</b> , 26, L763-L765	1.4	30
121	Conductivity and sintering property of LaNi <sub>1-x</sub> Fe <sub>x</sub> O <sub>3</sub> ceramics prepared by Pechini method. <i>Solid State Ionics</i> , <b>2011</b> , 201, 87-93	3.3	27
120	Effects of substitution of Bi with Pb in BaBi <sub>1-x</sub> Pb <sub>x</sub> O <sub>3</sub> on crystal structure and conduction behavior. <i>Physica C: Superconductivity and Its Applications</i> , <b>1994</b> , 223, 131-139	1.3	27
119	Pressure-induced structural phase transition of LaCrO <sub>3</sub> . <i>Solid State Communications</i> , <b>1998</b> , 108, 691-694	1.6	26
118	Observation of Two Kinds of Structural Phase Transitions in the Ba <sub>2</sub> In <sub>2</sub> O <sub>5</sub> System. <i>Journal of the Electrochemical Society</i> , <b>2002</b> , 149, A1381	3.9	26
117	Superconductivity and Substrate Interaction of Screen-Printed Bi-Sr-Ca-Cu-O Films. <i>Japanese Journal of Applied Physics</i> , <b>1988</b> , 27, L384-L386	1.4	26
116	Analysis of phase transition behavior of BaCeO <sub>3</sub> with thermal analyses and high temperature X-ray diffraction. <i>Solid State Ionics</i> , <b>2009</b> , 180, 1034-1039	3.3	24
115	Thermodynamic analyses of structural phase transition of Pr <sub>2</sub> NiO <sub>4</sub> + involving variation of oxygen content. <i>Thermochimica Acta</i> , <b>2014</b> , 575, 129-134	2.9	22
114	Investigation of structural phase transition behavior of SrZrO <sub>3</sub> by thermal analyses and high-temperature X-ray diffraction. <i>Solid State Ionics</i> , <b>2010</b> , 181, 1091-1097	3.3	22
113	Structural Analysis of Ce <sub>1-x</sub> M <sub>x</sub> O <sub>2.5x</sub> (M=Gd,Sm,Y) by High Temperature XRD under Various Oxygen Partial Pressures. <i>Journal of the Electrochemical Society</i> , <b>2004</b> , 151, E46	3.9	22
112	Preparation of LaNi <sub>1-x</sub> Fe <sub>x</sub> O <sub>3</sub> single phase and characterization of their phase transition behaviors. <i>Solid State Ionics</i> , <b>2010</b> , 181, 1771-1782	3.3	21
111	Stabilization of Ba <sub>2</sub> YCu <sub>3</sub> O <sub>7</sub> -By Surface Coating with Plasma Polymerized Fluorocarbon Film. <i>Japanese Journal of Applied Physics</i> , <b>1988</b> , 27, L2088-L2090	1.4	21
110	CO <sub>2</sub> Absorption and Desorption Properties of Single Phase Ba <sub>2</sub> Fe <sub>2</sub> O <sub>5</sub> and Analysis of Their Mechanism Using Thermodynamic Calculation. <i>Journal of the American Ceramic Society</i> , <b>2011</b> , 94, 3675-3678	3.8	20
109	Investigation of phase transition in Li <sub>2</sub> TiO <sub>3</sub> by high temperature X-ray diffraction. <i>Journal of Nuclear Materials</i> , <b>2007</b> , 367-370, 1052-1056	3.3	20

108	Orange luminescence of Eu <sup>3+</sup> -doped CuLaO <sub>2</sub> delafossite oxide. <i>Journal of the Ceramic Society of Japan</i> , <b>2010</b> , 118, 1217-1220	1	19
107	Analysis of magnetic and structural phase transition behaviors of La <sub>1-x</sub> Sr <sub>x</sub> CrO <sub>3</sub> for preparation of phase diagram. <i>Thermochemica Acta</i> , <b>2005</b> , 435, 222-229	2.9	19
106	Substitution site and photoluminescence spectra of Eu <sup>3+</sup> -substituted SrTiO <sub>3</sub> prepared by Pechini method. <i>Materials Letters</i> , <b>2011</b> , 65, 1819-1821	3.3	18
105	Crystal structure and phase transition behavior of La <sub>1-x</sub> Sr <sub>x</sub> Ga <sub>1-y</sub> Mg <sub>y</sub> O <sub>3</sub> . <i>Solid State Ionics</i> , <b>2004</b> , 174, 193-203	3.3	18
104	Evaluation of reaction kinetics of CO <sub>2</sub> and Li <sub>4</sub> SiO <sub>4</sub> by thermogravimetry under various CO <sub>2</sub> partial pressures. <i>Materials Research Bulletin</i> , <b>2018</b> , 97, 56-60	5.1	17
103	Enhancement of the oxygen desorption/absorption property of BaFe <sub>1-x</sub> In <sub>x</sub> O <sub>3</sub> by In substitution for Fe site. <i>Journal of the American Ceramic Society</i> , <b>2018</b> , 101, 1696-1703	3.8	17
102	Dependence of thermal expansion of LaNi <sub>0.6</sub> Fe <sub>0.4</sub> O <sub>3</sub> and La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>3</sub> on oxygen partial pressure. <i>Solid State Ionics</i> , <b>2016</b> , 285, 187-194	3.3	16
101	Kinetics and Mechanism of Chemical Reaction of CO <sub>2</sub> and Ba <sub>2</sub> Fe <sub>2</sub> O <sub>5</sub> Under Various CO <sub>2</sub> Partial Pressures. <i>Journal of the American Ceramic Society</i> , <b>2012</b> , 95, 3634-3637	3.8	16
100	Thermal Expansion and Phase Transition Behavior of Al <sub>2-x</sub> M <sub>x</sub> (WO <sub>4</sub> ) <sub>3</sub> (M=Y, Ga and Sc) Ceramics. <i>Journal of the Ceramic Society of Japan</i> , <b>2007</b> , 115, 176-181		16
99	Coexistence of electrons and holes in BaBi <sub>0.25</sub> Pb <sub>0.75</sub> O <sub>3-δ</sub> detected by thermoelectric-power measurements. <i>Physical Review B</i> , <b>1995</b> , 51, 576-580	3.3	16
98	New oxide phase Cd <sub>1-x</sub> Y <sub>x</sub> Sb <sub>2</sub> O <sub>6</sub> with a wide band gap and high electrical conductivity. <i>Applied Physics Letters</i> , <b>1993</b> , 63, 3335-3337	3.4	16
97	Chemical stability of CVD source materials for high-T <sub>c</sub> superconducting films. <i>Journal of Materials Research</i> , <b>1992</b> , 7, 1336-1340	2.5	16
96	Effect of oxygen-deficiency on the structure and conduction behavior of BaPb <sub>0.75</sub> Bi <sub>0.25</sub> O <sub>3</sub> . <i>Solid State Communications</i> , <b>1993</b> , 87, 251-254	1.6	15
95	Evaluation of Specific Surface Area and Pore Size Distribution of LaNi <sub>0.6</sub> Fe <sub>0.4</sub> O <sub>3</sub> Ceramics Prepared using Pechini Method by N <sub>2</sub> Adsorption Method Optimization of Sintering Temperature as Cathode Material of Solid Oxide Fuel Cells. <i>Journal of the American Ceramic Society</i> , <b>2012</b> , 95, 3802-3806	3.8	14
94	Crystal structure of advanced lithium titanate with lithium oxide additives. <i>Journal of Nuclear Materials</i> , <b>2009</b> , 386-388, 1098-1101	3.3	14
93	Purification and UV-VIS Light Absorption Property of Source Materials for CVD of High-T <sub>c</sub> Superconducting Films. <i>Japanese Journal of Applied Physics</i> , <b>1990</b> , 29, L2215-L2218	1.4	14
92	Analysis of chemical reaction between Li <sub>4</sub> SiO <sub>4</sub> and CO <sub>2</sub> by thermogravimetry under various CO <sub>2</sub> partial pressures Clarification of CO <sub>2</sub> partial pressure and temperature region of CO <sub>2</sub> absorption or desorption. <i>Materials Research Bulletin</i> , <b>2017</b> , 94, 134-139	5.1	13
91	Preparation of Ba <sub>1-x</sub> La <sub>x</sub> FeO <sub>3</sub> (x = 0.10.6) with cubic perovskite phase and random distribution of oxide ion vacancy and their electrical conduction property and thermal expansion behavior. <i>Solid State Ionics</i> , <b>2018</b> , 320, 76-83	3.3	11

90	Photoluminescence properties of $\text{CuLa}_{1-x}\text{Ln}_x\text{O}_2$ (Ln: lanthanide) Intense and peculiar luminescence from $\text{Ln}^{3+}$ at the site with inversion symmetry. <i>Journal of Luminescence</i> , <b>2013</b> , 133, 217-221 <sup>3,8</sup>		11
89	Analysis of structural phase transition from monoclinic $\text{Ba}_2\text{Fe}_2\text{O}_5$ to cubic $\text{Ba}_2\text{Fe}_2\text{O}_5$ . <i>Thermochimica Acta</i> , <b>2012</b> , 549, 110-115	2.9	11
88	Determination of the Space Group of $\text{LaCrO}_3$ by Convergent-Beam Electron Diffraction. <i>Journal of the Electrochemical Society</i> , <b>2000</b> , 147, 4408	3.9	11
87	Electrical conduction mechanism of $\text{LaNi}_x\text{Me}_{1-x}\text{O}_3$ (Me=Fe, Mn). <i>Materials Research Bulletin</i> , <b>2015</b> , 70, 241-247	5.1	10
86	Li vaporization property of two-phase material of $\text{Li}_2\text{TiO}_3$ and $\text{Li}_2\text{SiO}_3$ for tritium breeder. <i>Fusion Engineering and Design</i> , <b>2015</b> , 98-99, 1859-1863	1.7	10
85	Evaluation of kinetic stability against $\text{CO}_2$ and conducting property of $\text{BaCe}_{0.9-x}\text{Zr}_x\text{Y}_{0.1}\text{O}_3$ . <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2013</b> , 113, 1269-1274	4.1	10
84	Effect of Li/Ti ratio on microstructure and thermal diffusivity of lithium titanate for solid breeding material. <i>Fusion Engineering and Design</i> , <b>2011</b> , 86, 2643-2646	1.7	10
83	Determination of the crystal system and space group of $\text{BaBiO}_3$ by convergent-beam electron diffraction and x-ray diffraction using synchrotron radiation. <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	10
82	Analysis of role of oxygen deficiency in crystal structure and conduction mechanism of $\text{BaBi}_{0.25}\text{Pb}_{0.75}\text{O}_3$ . <i>Journal of Physics and Chemistry of Solids</i> , <b>1995</b> , 56, 777-785	3.9	10
81	Relationship Between the Arrangement of Oxide Ion Vacancies and Oxide Ion Conduction in $\text{Ba}_2(\text{Fe}_{0.9}\text{In}_{0.1})_2\text{O}_5$ . <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 1866-1869	3.8	10
80	Dependence of crystal structure, phase transition temperature, chemical state of Fe, oxygen content and electrical conductivity of $\text{Ba}_{2-x}\text{La}_x\text{Fe}_2\text{O}_5$ ( $x = 0.00-0.15$ ) on La content. <i>Solid State Ionics</i> , <b>2016</b> , 290, 71-76	3.3	10
79	Oxygen nonstoichiometry and electrical conductivity of $\text{LaNi}_{0.6}\text{Fe}_{0.4}\text{O}_3$ at high temperatures under various oxygen partial pressures. <i>Solid State Ionics</i> , <b>2015</b> , 274, 119-122	3.3	9
78	Thermal analysis of structural phase transition behavior of $\text{Ln}_2\text{Ni}_{1-x}\text{Cu}_x\text{O}_4$ (Ln = Nd, Pr) under various oxygen partial pressures. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 135, 2765-2774	4.1	9
77	Preparation of Dense Negative-Thermal-Expansion Oxide by Rapid Quenching of $\text{ZrW}_2\text{O}_8$ Melt.. <i>Journal of the Ceramic Society of Japan</i> , <b>2002</b> , 110, 544-548		9
76	Pore size dependence of self-assembled type photonic crystal on dye-sensitized solar cells efficiency utilising Chlorine e6. <i>Journal of Porous Materials</i> , <b>2014</b> , 21, 165-176	2.4	8
75	Dependence of crystal symmetry, electrical conduction property and electronic structure of $\text{LnFeO}_3$ (Ln: La, Pr, Nd, Sm) on kinds of $\text{Ln}^{3+}$ . <i>Journal of the Ceramic Society of Japan</i> , <b>2015</b> , 123, 501-506 <sup>1</sup>		8
74	Chemical state of Fe in $\text{LaNi}_{1-x}\text{Fe}_x\text{O}_3$ and its effect on electrical conduction property. <i>Hyperfine Interactions</i> , <b>2012</b> , 206, 47-50	0.8	8
73	Photoinduced Phase Transformations in Boron Nitride: New Polytypic Forms of $\text{sp}^3$ -Bonded (6H- and 30H-) BN. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 13176-13186	3.8	8

72	Thermal Analysis of Phase Transition in Negative-Thermal-Expansion Oxide, ZrW <sub>2</sub> O <sub>8</sub> . Detection of Trace Amount of H <sub>2</sub> O and .LAMBDA.-Type Transition.. <i>Journal of the Ceramic Society of Japan</i> , <b>2002</b> , 110, 823-825		8
71	Superconductivity in a New Oxide System of Eu-La-Ce-Cu-O. <i>Japanese Journal of Applied Physics</i> , <b>1989</b> , 28, L1115-L1117	1.4	8
70	Synthesis of high-purity Li <sub>8</sub> ZrO <sub>6</sub> powder by solid state reaction under hydrogen atmosphere. <i>Fusion Engineering and Design</i> , <b>2016</b> , 109-111, 1739-1743	1.7	7
69	Evidence of variation of oxide ion content in structural phase transition of Ba <sub>2</sub> Fe <sub>2</sub> O <sub>5</sub> + observed by simultaneous TG-DTA-MS measurements. <i>Thermochimica Acta</i> , <b>2013</b> , 574, 151-153	2.9	7
68	Improvement of Sintering Property of LaCrO <sub>3</sub> System by Simultaneous Substitution of Ca and Sr. <i>Journal of the Ceramic Society of Japan</i> , <b>2007</b> , 115, 81-84		7
67	The Effect of Defect Structure on Electrical Conductivity and Thermoelectric Power of La <sub>2-x</sub> Sr <sub>x</sub> CuO <sub>4</sub> - at High Temperatures. <i>Electrochemistry</i> , <b>2000</b> , 68, 507-514	1.2	7
66	Photo-Absorption and photochemical decomposition of copper and alkaline-earth diketonates as source gases of high-T <sub>c</sub> superconducting films. <i>Applied Organometallic Chemistry</i> , <b>1991</b> , 5, 325-330	3.1	7
65	Photo Chemical Vapor Deposition of Metal Oxide Films Relating to Bi-Sr-Ca-Cu-O Superconductor. <i>Japanese Journal of Applied Physics</i> , <b>1991</b> , 30, 656-660	1.4	7
64	Construction of structural phase diagram of Nd <sub>2</sub> Ni <sub>1</sub> -Cu O <sub>4</sub> + and effect of crystal structure and phase transition on electrical conduction behavior. <i>Materials Research Bulletin</i> , <b>2019</b> , 111, 61-69	5.1	7
63	Prevention of Sulfur Poisoning and Performance Recovery of Sulfur-Poisoned-Anode Electrode by Shifting Anode Electrode Potential. <i>Journal of the Electrochemical Society</i> , <b>2015</b> , 162, F1107-F1113	3.9	6
62	Preparation of La <sub>1-x</sub> Ca <sub>x</sub> Sr <sub>y</sub> CrO <sub>3</sub> with High-Density Structural Phase Transition and Electrical Conduction Properties. <i>Journal of the Electrochemical Society</i> , <b>2008</b> , 155, A395	3.9	6
61	Effect of oxygen nonstoichiometry on electrical conduction property of BaBiO <sub>3</sub> <i>Journal of Physics and Chemistry of Solids</i> , <b>2008</b> , 69, 284-288	3.9	6
60	Analysis of relationship between magnetic property and crystal structure of La <sub>1-x</sub> Sr <sub>x</sub> CrO <sub>3</sub> (x=0.13, 0.15). <i>Solid State Communications</i> , <b>2008</b> , 145, 502-506	1.6	6
59	Press-Free Preparation Method of Dense Negative-Thermal-Expansion Oxide, Zr <sub>1-x</sub> Y <sub>x</sub> W <sub>2</sub> O <sub>8</sub> -DELTA. (x=0.00-0.02) Ceramic Using Reactive Sintering.. <i>Journal of the Ceramic Society of Japan</i> , <b>2002</b> , 110, 807-812		6
58	Investigation of the arrangement of oxide ion vacancies and their effect on the crystal structure of BaFe <sub>0.9</sub> In <sub>0.1</sub> O <sub>3</sub> <i>Journal of the American Ceramic Society</i> , <b>2019</b> , 102, 4427-4430	3.8	5
57	Phase transition behavior of mother phase of proton-conducting oxides, Sr <sub>1-x</sub> BaxZrO <sub>3</sub> . <i>Thermochimica Acta</i> , <b>2012</b> , 530, 58-63	2.9	5
56	P-type sp <sup>3</sup> -bonded BN/n-type Si heterodiode solar cell fabricated by laser-plasma synchronous CVD method. <i>Journal Physics D: Applied Physics</i> , <b>2009</b> , 42, 225107	3	5
55	Neutron diffraction study of the crystal structure and structural phase transition of La <sub>0.7</sub> Ca <sub>0.3</sub> Sr <sub>x</sub> CrO <sub>3</sub> (0 ≤ x ≤ 0.3). <i>Journal of Solid State Chemistry</i> , <b>2010</b> , 183, 392-401	3.3	5

54	Analysis of phase transition and expansion behaviour of $\text{Al}_2(\text{WO}_4)_3$ by temperature-regulated X-ray diffraction. <i>Physica Status Solidi (B): Basic Research</i> , <b>2008</b> , 245, 2504-2508	1.3	5
53	Preparation of $\text{SrCuO}_y$ film in ultra-high vacuum system. <i>Solid State Ionics</i> , <b>1991</b> , 49, 183-186	3.3	5
52	Analysis of thermal stability of $\text{LaNi}_{1-x}\text{Fe}_x\text{O}_3$ ( $x = 0.0, 0.2, 0.4$ ) by thermogravimetry and high-temperature X-ray diffraction under controlled oxygen partial pressures. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2016</b> , 123, 1769-1775	4.1	4
51	Oxygen absorption and desorption behavior of $\text{Ba}_{0.5}\text{La}_{0.5}\text{FeO}_{3-\delta}$ and its effect on crystal structure and electrical conduction properties. <i>Solid State Ionics</i> , <b>2020</b> , 346, 115191	3.3	4
50	Analysis of structural phase transition behavior of $\text{Ln}_2\text{NiO}_4 + \delta$ (Ln: Nd, Pr) with variation of oxygen content. <i>Solid State Ionics</i> , <b>2014</b> , 262, 724-727	3.3	4
49	Calculation of photonic energy bands of $\text{TiO}_2$ hollow spherical arrays. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2009</b> , 9, 185-9	1.3	4
48	Analysis of structural and magnetic phase transition behaviors of $\text{La}_{1-x}\text{Sr}_x\text{CrO}_3$ by measurement of heat capacity with thermal relaxation technique. <i>Thermochimica Acta</i> , <b>2008</b> , 474, 57-61	2.9	4
47	DSC, DTA and TG studies on structural phase transitions in $\text{Tl}_2\text{ZnCl}_4$ . <i>Thermochimica Acta</i> , <b>2005</b> , 431, 73-75	2.9	4
46	Variation in crystal structure of $\text{Ln}_2\text{Ni}_{1-x}\text{Cu}_x\text{O}_4 + \delta$ (Ln: La, Pr, Nd, Sm, Eu, and their solid solution) based on type of Ln: Relationship between crystal structure and tolerance factor. <i>Journal of the Ceramic Society of Japan</i> , <b>2019</b> , 127, 678-687	1	3
45	Analysis of phase transition by variation of oxide ion content in $\text{BaFe}_{0.9}\text{In}_{0.1}\text{O}_{3-\delta}$ as oxygen storage material using Mössbauer spectroscopy [Discovery of magnetic phase transition with cubic structure maintained. <i>Materials Letters</i> , <b>2018</b> , 228, 497-499	3.3	3
44	The crystal structure and electrical conductivity of proton conducting $\text{Ba}_{0.6}\text{Sr}_{0.4}\text{Zr}_{1-y}\text{Y}_y\text{O}_3$ <i>Solid State Ionics</i> , <b>2012</b> , 206, 91-96	3.3	3
43	Growth Difference of $\text{LaFeO}_3$ Thin Films by Pulsed Laser Deposition Method Using the Targets Prepared by Pechini and Conventional Solid Solution Methods. <i>Transactions of the Materials Research Society of Japan</i> , <b>2012</b> , 37, 369-372	0.2	3
42	Preparation of $\text{BaCe}_{1-x}\text{Y}_x\text{O}_{3-\delta}$ . DELTA. single phase by liquid phase mixing method and its structural variation on Y content. <i>Journal of the Ceramic Society of Japan</i> , <b>2011</b> , 119, 417-421	1	3
41	Structural analysis of $\text{Li}_2\text{TiO}_3$ by synchrotron X-ray diffraction at high temperature. <i>Journal of Nuclear Materials</i> , <b>2011</b> , 417, 692-695	3.3	3
40	Optical properties of photoluminescent polycrystalline $\text{CuLa}_{0.98}\text{Eu}_{0.02}\text{O}_2$ thin film prepared by pulsed laser deposition at room temperature. <i>Materials Letters</i> , <b>2011</b> , 65, 2492-2494	3.3	3
39	Low Temperature Preparation of $\text{LaNi}_{1-x}\text{Fe}_x\text{O}_3$ as New Cathode Material for SOFC - Advantage of Liquid Phase Mixing Method -. <i>ECS Transactions</i> , <b>2011</b> , 35, 1935-1943	1	3
38	Preparation of a Bi-Sr-Ca-Cu-O High-Tc Superconductor by the Reaction of a Cu-Free Precursor with Cu Plate. <i>Japanese Journal of Applied Physics</i> , <b>1989</b> , 28, L984-L986	1.4	3
37	Synthesis of $\text{Sr}_2\text{MgMoO}_6$ by Atmosphere-Controlled Calcination Method and Characterization for Solid Oxide Fuel Cells. <i>Ceramic Engineering and Science Proceedings</i> , <b>2017</b> , 87-97	0.1	2

36	Analysis of oxidation decomposition reaction scheme and its kinetics of delafossite-type oxide $\text{CuLaO}_2$ by thermogravimetry and high-temperature X-ray diffraction. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2016</b> , 123, 1833-1839	4.1	2
35	Preparation of Dense $\text{Ba}_{1-x}\text{Sr}_x\text{Zr}_{1-y}\text{Y}_y\text{O}_{3-\delta}$ ( $y = 0.0, 0.1$ ) Ceramics by Pechini Method. <i>Electrochemistry</i> , <b>2014</b> , 82, 833-838	1.2	2
34	Evaluation of thermodynamic and kinetic stability of P-type transparent conducting oxide, $\text{SrCu}_2\text{O}_2$ under various oxygen partial pressures. <i>Thermochimica Acta</i> , <b>2012</b> , 532, 45-48	2.9	2
33	Preparation of Structural Phase Diagram of $\text{Ln}_2\text{Ni}_{1-x}\text{Cu}_x\text{O}_4$ ( $\text{Ln} = \text{La, Pr, Nd, Sm, Eu}$ ) as New Cathode Materials: Variation of Structural Phase Diagram on Kinds of Ln. <i>ECS Transactions</i> , <b>2017</b> , 78, 613-622	1	2
32	Crystal structure, thermal expansion and electrical conduction behavior of $\text{PrNi}_{1-x}\text{Fe}_x\text{O}_{3-\delta}$ at high temperature. <i>Journal of the Ceramic Society of Japan</i> , <b>2017</b> , 125, 227-235	1	2
31	Phase Transition Behavior of Proton Conducting Oxides, $\text{Sr}_{1-x}\text{Ba}_x\text{ZrO}_3$ . <i>ECS Transactions</i> , <b>2010</b> , 28, 251-258		2
30	Oxygen deficiency, crystal system and conduction behavior of $\text{BaPb}_{0.75}\text{Bi}_{0.25}\text{O}_3$ . <i>AIChE Journal</i> , <b>1997</b> , 43, 2865-2869	3.6	2
29	Determination of space group of $\text{BaPb}_{0.75}\text{Bi}_{0.25}\text{O}_3$ by convergent-beam electron diffraction. <i>Physica C: Superconductivity and Its Applications</i> , <b>2002</b> , 382, 422-430	1.3	2
28	Analysis of the Effect of the Oxide Ion Vacancy on the Crystal Structure of $\text{La}_{1-x}\text{Ca}_x\text{CrO}_3$ by High-Temperature X-Ray Diffraction under Various Oxygen Partial Pressures. <i>Defect and Diffusion Forum</i> , <b>2005</b> , 242-244, 9-16	0.7	2
27	Comparison of the Photoelectrochemical Characteristics of Dye-Sensitized Inverse-Opal Electrodes Prepared by Various Liquid-Phase Methods. <i>Journal of New Materials for Electrochemical Systems</i> , <b>2011</b> , 14, 229-236	2.8	2
26	Evaluation of stability of $\text{Pr}_{2-x}\text{Nd}_x\text{NiO}_4$ by thermogravimetry under various oxygen partial pressures. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 142, 139-147	4.1	2
25	Relationship among the local structure, chemical state of Fe ions in Fe-O polyhedra, and electrical conductivity of cubic perovskite $\text{Ba}_{1-x}\text{Bi}_x\text{Fe}_{0.9}\text{In}_{0.1}\text{O}_3$ with varying number of oxide ion vacancies. <i>Materials Research Bulletin</i> , <b>2021</b> , 133, 111063	5.1	2
24	Structural phase relationship, sintering behavior and conducting property of $\text{Ba}_{1-x}\text{Sr}_x\text{Zr}_{0.9}\text{Y}_{0.1}\text{O}_3$ . <i>Solid State Ionics</i> , <b>2014</b> , 264, 17-21	3.3	1
23	Effect of chemical state and occupation site of RE (RE = Yb, Y, Eu, Sm, Nd) on crystal structure and optical property of $\text{BaCe}_{1-x}\text{RE}_x\text{O}_3$ . Analyses of origin of peculiar crystal structure and property of $\text{BaCe}_{1-x}\text{Nd}_x\text{O}_3$ . <i>Materials Research Bulletin</i> , <b>2017</b> , 87, 6-13	5.1	1
22	Fabrication and crystal structure of $[\text{ABO}_3/\text{REMO}_3]$ (A = Ca, La, B = Fe, Mn, RE = Bi, La, M = Fe, $\text{Fe}_{0.8}\text{Mn}_{0.2}$ ) superlattices grown by pulsed laser deposition method. <i>Japanese Journal of Applied Physics</i> , <b>2014</b> , 53, 05FB12	1.4	1
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20	Crystal Structure and Thermal Expansion Behavior of $\text{La}_{0.7}\text{Sr}_{0.3}\text{Ga}_{0.7}\text{Fe}_{0.2}\text{Mg}_{0.1}\text{O}_{3-\delta}$ . at High Temperature-Effect of Chemical State of Fe and Oxygen Nonstoichiometry-. <i>Electrochemistry</i> , <b>2009</b> , 77, 127-130	1.2	1
19	Structural analysis of oxide ion conductor, $\text{Ba}_{2-x}\text{Sr}_x\text{In}_2\text{O}_5$ and $\text{Ba}_2\text{In}_{2-x}\text{Ga}_x\text{O}_5$ - Significance of synchrotron X-ray diffraction at high temperatures. <i>Journal of the Ceramic Society of Japan</i> , <b>2009</b> , 117, 56-59	1	1



18	Analysis of crystal structure and phase relationship of Ba <sub>2-x</sub> La <sub>x</sub> In <sub>2</sub> O <sub>5</sub> +.DELTA. by high temperature synchrotron X-ray diffraction and thermal analyses - Control of electrical conductivity and crystal structure by concentration of oxide ion vacancy. <i>Journal of the Ceramic Society of Japan</i> , <b>2009</b> , 117, 60-65	1	1
17	Space Group Determination of Al <sub>2</sub> (WO <sub>4</sub> ) <sub>3</sub> using Convergent-Beam Electron Diffraction. <i>Japanese Journal of Applied Physics</i> , <b>2008</b> , 47, 4664-4668	1.4	1
16	Preparation of Dense BaPb <sub>0.75</sub> Bi <sub>0.25</sub> O <sub>3</sub> Ceramic by Controlling the Defect Structure. <i>Journal of the Ceramic Society of Japan</i> , <b>1998</b> , 106, 778-781		1
15	Reversible structural phase transition of BaPb <sub>0.75</sub> Bi <sub>0.25</sub> O <sub>3</sub> .00 around 360°C. <i>Physica C: Superconductivity and Its Applications</i> , <b>1995</b> , 246, 228-234	1.3	1
14	Thermodynamics and kinetics analyses of high CO absorption properties of LiNaSiO under various CO partial pressures. <i>Dalton Transactions</i> , <b>2021</b> , 50, 5301-5310	4.3	1
13	Synthesis of High Purity Li <sub>5</sub> AlO <sub>4</sub> Powder by Solid State Reaction Under the H <sub>2</sub> Firing. <i>Ceramic Engineering and Science Proceedings</i> , <b>2017</b> , 49-60	0.1	0
12	Evaluation and Control of Thermal Expansion of Materials. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , <b>2016</b> , 67, 122-127	0.1	
11	Near infrared luminescence of CuLa <sub>1-x</sub> Ln <sub>x</sub> O <sub>2</sub> (Ln: lanthanide ions) due to 4f transitions of Ln <sup>3+</sup> in the site with inversion symmetry. <i>Materials Letters</i> , <b>2012</b> , 75, 225-228	3.3	
10	<sup>151</sup> Eu Mössbauer measurements of CuLa <sub>1-x</sub> Eu <sub>x</sub> O <sub>2</sub> with luminescent property. <i>Hyperfine Interactions</i> , <b>2012</b> , 208, 25-28	0.8	
9	Construction of Structural Phase Diagram of LaGa <sub>1-x</sub> Mg <sub>x</sub> O <sub>3</sub> -.DELTA. by Using Various Diffraction Measurements and Thermal Analyses-Effect of Long Period Anti-Phase Domain Structure on Phase Diagram-. <i>Electrochemistry</i> , <b>2009</b> , 77, 169-177	1.2	
8	Discovery of new phase and analysis of phase relationships in BaBiO <sub>3</sub> with thermal analyses. <i>Thermochimica Acta</i> , <b>2005</b> , 431, 33-37	2.9	
7	Low-temperature synthesis of BiSrCaCuO films by photo CVD method. <i>Physica C: Superconductivity and Its Applications</i> , <b>1991</b> , 190, 143-144	1.3	
6	Superconductivity in Eu-La-Ce-Cu-O System. <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , <b>1990</b> , 184, 183-187		
5	Synthesis of Ba <sub>1-x</sub> Ln <sub>x</sub> FeO <sub>3</sub> and BaFe <sub>1-x</sub> Ln <sub>x</sub> O <sub>3</sub> (Ln: lanthanoid or Y) with cubic perovskite structures and disordered oxide ion vacancies: Effect of ionic radius on substitution site and crystal structure. <i>Journal of the Ceramic Society of Japan</i> , <b>2020</b> , 128, 898-905	1	
4	Relationship between Magnetic Property and Structural Phase Transition of La <sub>1-x</sub> Sr <sub>x</sub> CrO <sub>3</sub> . <i>Nihon Kessho Gakkaishi</i> , <b>2008</b> , 50, 144-149		0
3	<sup>151</sup> Eu Mössbauer measurements of CuLa <sub>1-x</sub> Eu <sub>x</sub> O <sub>2</sub> with luminescent property <b>2011</b> , 605-608		
2	Chemical state of Fe in LaNi <sub>1-x</sub> Fe <sub>x</sub> O <sub>3</sub> and its effect on electrical conduction property <b>2013</b> , 343-346		
1	Thermodynamic analyses of the orthorhombic-to-tetragonal phase transition in PrNdNiO under controlled oxygen partial pressures. <i>Dalton Transactions</i> , <b>2020</b> , 49, 11931-11941	4.3	

