

Takuya Hashimoto

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

143
papers

2,430
citations

26
h-index

44
g-index

151
ext. papers

2,586
ext. citations

2.6
avg, IF

4.54
L-index

#	Paper	IF	Citations
143	Relationship among the local structure, chemical state of Fe ions in Fe-O polyhedra, and electrical conductivity of cubic perovskite $\text{Ba}_{1-x}\text{Fe}_{0.9}\text{In}_{0.1}\text{O}_3$ with varying number of oxide ion vacancies. <i>Materials Research Bulletin</i> , 2021 , 133, 111063	5.1	2
142	Thermodynamics and kinetics analyses of high CO absorption properties of LiNaSiO under various CO partial pressures. <i>Dalton Transactions</i> , 2021 , 50, 5301-5310	4.3	1
141	Oxygen absorption and desorption behavior of $\text{Ba}_{0.5}\text{La}_{0.5}\text{FeO}_3$ and its effect on crystal structure and electrical conduction properties. <i>Solid State Ionics</i> , 2020 , 346, 115191	3.3	4
140	Synthesis of $\text{Ba}_{1-x}\text{Ln}_x\text{FeO}_3$ and $\text{BaFe}_{1-x}\text{Ln}_x\text{O}_3$ (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> , 2020 , 128, 898-905	1	
139	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> , 2020 , 142, 139-147	4.1	2
138	Thermodynamic analyses of the orthorhombic-to-tetragonal phase transition in PrNdNiO under controlled oxygen partial pressures. <i>Dalton Transactions</i> , 2020 , 49, 11931-11941	4.3	
137	Variation in crystal structure of $\text{Ln}_2\text{Ni}_{1-x}\text{Cu}_x\text{O}_4$ (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> , 2019 , 127, 678-687	1	3
136	Investigation of the arrangement of oxide ion vacancies and their effect on the crystal structure of $\text{BaFe}_{0.9}\text{In}_{0.1}\text{O}_3$. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 4427-4430	3.8	5
135	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> , 2019 , 135, 2765-2774	4.1	9
134	Construction of structural phase diagram of $\text{Nd}_2\text{Ni}_1\text{-Cu}_x\text{O}_4$ and effect of crystal structure and phase transition on electrical conduction behavior. <i>Materials Research Bulletin</i> , 2019 , 111, 61-69	5.1	7
133	Preparation of $\text{Ba}_{1-x}\text{La}_x\text{FeO}_3$ ($x = 0.1\text{-}0.6$) 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> , 2018 , 320, 76-83	3.3	11
132	Evaluation of reaction kinetics of CO_2 and Li_4SiO_4 by thermogravimetry under various CO_2 partial pressures. <i>Materials Research Bulletin</i> , 2018 , 97, 56-60	5.1	17
131	Analysis of phase transition by variation of oxide ion content in $\text{BaFe}_{0.9}\text{In}_{0.1}\text{O}_3$ as oxygen storage material using Mössbauer spectroscopy. Discovery of magnetic phase transition with cubic structure maintained. <i>Materials Letters</i> , 2018 , 228, 497-499	3.3	3
130	Enhancement of the oxygen desorption/absorption property of $\text{BaFe}_{1-x}\text{In}_x\text{O}_3$ by In substitution for Fe site. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 1696-1703	3.8	17
129	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> , 2017 , 87-97	0.1	2
128	Synthesis of High Purity Li_5AlO_4 Powder by Solid State Reaction Under the H_2 Firing. <i>Ceramic Engineering and Science Proceedings</i> , 2017 , 49-60	0.1	0
127	Preparation of Structural Phase Diagram of $\text{Ln}_2\text{Ni}_{1-x}\text{Cu}_x\text{O}_4$ (Ln=La, Pr, Nd, Sm, Eu) as New Cathode Materials: Variation of Structural Phase Diagram on Kinds of Ln. <i>ECS Transactions</i> , 2017 , 78, 613-622	1	2

126	Analysis of chemical reaction between Li_4SiO_4 and CO_2 by thermogravimetry under various CO_2 partial pressures—Clarification of CO_2 partial pressure and temperature region of CO_2 absorption or desorption. <i>Materials Research Bulletin</i> , 2017 , 94, 134-139	5.1	13
125	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> , 2017 , 87, 6-13	5.1	1
124	Crystal structure, thermal expansion and electrical conduction behavior of $\text{PrNi}_{1-x}\text{Fe}_x\text{O}_3$ at high temperature. <i>Journal of the Ceramic Society of Japan</i> , 2017 , 125, 227-235	1	2
123	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> , 2016 , 123, 1769-1775	4.1	4
122	Evaluation and Control of Thermal Expansion of Materials. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2016 , 67, 122-127	0.1	
121	Dependence of thermal expansion of $\text{LaNi}_{0.6}\text{Fe}_{0.4}\text{O}_3$ and $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.2}\text{Fe}_{0.8}\text{O}_3$ on oxygen partial pressure. <i>Solid State Ionics</i> , 2016 , 285, 187-194	3.3	16
120	Analysis of oxidation decomposition reaction scheme and its kinetics of delafossite-type oxide CuLaO_2 by thermogravimetry and high-temperature X-ray diffraction. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016 , 123, 1833-1839	4.1	2
119	Synthesis of high-purity Li_8ZrO_6 powder by solid state reaction under hydrogen atmosphere. <i>Fusion Engineering and Design</i> , 2016 , 109-111, 1739-1743	1.7	7
118	Relationship Between the Arrangement of Oxide Ion Vacancies and Oxide Ion Conduction in $\text{Ba}_2(\text{Fe}_{0.9}\text{In}_{0.1})_2\text{O}_5$ + \square <i>Journal of the American Ceramic Society</i> , 2016 , 99, 1866-1869	3.8	10
117	Dependence of crystal structure, phase transition temperature, chemical state of Fe, oxygen content and electrical conductivity of $\text{Ba}_{2-x}\text{La}_x\text{Fe}_2\text{O}_5 + \square$ ($x = 0.00\text{--}0.15$) on La content. <i>Solid State Ionics</i> , 2016 , 290, 71-76	3.3	10
116	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> , 2015 , 274, 119-122	3.3	9
115	Electrical conduction mechanism of $\text{LaNi}_x\text{Me}_{1-x}\text{O}_3$ (Me=Fe, Mn). <i>Materials Research Bulletin</i> , 2015 , 70, 241-247	5.1	10
114	Dependence of crystal symmetry, electrical conduction property and electronic structure of LnFeO_3 (Ln: La, Pr, Nd, Sm) on kinds of Ln^{3+} . <i>Journal of the Ceramic Society of Japan</i> , 2015 , 123, 501-506 ¹		8
113	Prevention of Sulfur Poisoning and Performance Recovery of Sulfur-Poisoned-Anode Electrode by Shifting Anode Electrode Potential. <i>Journal of the Electrochemical Society</i> , 2015 , 162, F1107-F1113	3.9	6
112	Li vaporization property of two-phase material of Li_2TiO_3 and Li_2SiO_3 for tritium breeder. <i>Fusion Engineering and Design</i> , 2015 , 98-99, 1859-1863	1.7	10
111	Pore size dependence of self-assembled type photonic crystal on dye-sensitized solar cells efficiency utilising Chlorine e6. <i>Journal of Porous Materials</i> , 2014 , 21, 165-176	2.4	8
110	Thermodynamic analyses of structural phase transition of Pr_2NiO_4 —Involving variation of oxygen content. <i>Thermochimica Acta</i> , 2014 , 575, 129-134	2.9	22
109	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> , 2014 , 264, 17-21	3.3	1

108	Analysis of structural phase transition behavior of $\text{Ln}_2\text{NiO}_4 + \text{[Ln: Nd, Pr]}$ with variation of oxygen content. <i>Solid State Ionics</i> , 2014 , 262, 724-727	3.3	4
107	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> , 2014 , 82, 833-838	1.2	2
106	Fabrication and crystal structure of $[\text{ABO}_3/\text{REMO}_3]$ ($A = \text{Ca, La, B} = \text{Fe, Mn, RE} = \text{Bi, La, M} = \text{Fe, Fe}_{0.8}\text{Mn}_{0.2}$) superlattices grown by pulsed laser deposition method. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 05FB12	1.4	1
105	Evidence of variation of oxide ion content in structural phase transition of $\text{Ba}_2\text{Fe}_2\text{O}_5$ observed by simultaneous TG-DTA-MS measurements. <i>Thermochimica Acta</i> , 2013 , 574, 151-153	2.9	7
104	Photoluminescence properties of $\text{CuLa}_{1-x}\text{Ln}_x\text{O}_2$ (Ln: lanthanide) intense and peculiar luminescence from Ln^{3+} at the site with inversion symmetry. <i>Journal of Luminescence</i> , 2013 , 133, 217-221	3.8	11
103	Evaluation of kinetic stability against CO_2 and conducting property of $\text{BaCe}_{0.9-x}\text{Zr}_x\text{Y}_{0.1}\text{O}_3$ \square <i>Journal of Thermal Analysis and Calorimetry</i> , 2013 , 113, 1269-1274	4.1	10
102	Sintering temperature dependence of conductivity, porosity and specific surface area of $\text{LaNi}_{0.6}\text{Fe}_{0.4}\text{O}_3$ ceramics as cathode material for solid oxide fuel cells Superiority of Pechini method among various solution mixing processes. <i>Materials Research Bulletin</i> , 2013 , 48, 1-6	5.1	30
101	Chemical state of Fe in $\text{LaNi}_{1-x}\text{Fe}_x\text{O}_3$ and its effect on electrical conduction property 2013 , 343-346		
100	Near infrared luminescence of $\text{CuLa}_{1-x}\text{Ln}_x\text{O}_2$ (Ln: lanthanide ions) due to 4f transitions of Ln^{3+} in the site with inversion symmetry. <i>Materials Letters</i> , 2012 , 75, 225-228	3.3	
99	The crystal structure and electrical conductivity of proton conducting $\text{Ba}_{0.6}\text{Sr}_{0.4}\text{Zr}_{1-y}\text{Y}_y\text{O}_3$ \square <i>Solid State Ionics</i> , 2012 , 206, 91-96	3.3	3
98	Evaluation of thermodynamic and kinetic stability of P-type transparent conducting oxide, SrCu_2O_2 under various oxygen partial pressures. <i>Thermochimica Acta</i> , 2012 , 532, 45-48	2.9	2
97	Phase transition behavior of mother phase of proton-conducting oxides, $\text{Sr}_{1-x}\text{Ba}_x\text{ZrO}_3$. <i>Thermochimica Acta</i> , 2012 , 530, 58-63	2.9	5
96	Kinetics and Mechanism of Chemical Reaction of CO_2 and $\text{Ba}_2\text{Fe}_2\text{O}_5$ Under Various CO_2 Partial Pressures. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 3634-3637	3.8	16
95	Evaluation of Specific Surface Area and Pore Size Distribution of $\text{LaNi}_{0.6}\text{Fe}_{0.4}\text{O}_3$ Ceramics Prepared using Pechini Method by N_2 Adsorption Method Optimization of Sintering Temperature as Cathode Material of Solid Oxide Fuel Cells. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 3802-3806	3.8	14
94	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> , 2012 , 549, 110-115	2.9	11
93	Growth Difference of 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> , 2012 , 37, 369-372	0.2	3
92	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> , 2012 , 206, 47-50	0.8	8
91	^{151}Eu Mössbauer measurements of $\text{CuLa}_{1-x}\text{Eu}_x\text{O}_2$ with luminescent property. <i>Hyperfine Interactions</i> , 2012 , 208, 25-28	0.8	

90	Growth and Evaluation of [AFeO _x /REFeO ₃] (A=Ca, Sr, RE=La, Bi) Superlattices by Pulsed Laser Deposition Method Using High Density Targets Prepared by Pechini Method. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1454, 161-166		1
89	Effect of Li/Ti ratio on microstructure and thermal diffusivity of lithium titanate for solid breeding material. <i>Fusion Engineering and Design</i> , 2011 , 86, 2643-2646	1.7	10
88	Preparation of BaCe _{1-x} YxO ₃ -DELTA. single phase by liquid phase mixing method and its structural variation on Y content. <i>Journal of the Ceramic Society of Japan</i> , 2011 , 119, 417-421	1	3
87	CO ₂ Absorption and Desorption Properties of Single Phase Ba ₂ Fe ₂ O ₅ and Analysis of Their Mechanism Using Thermodynamic Calculation. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 3675-3678	3.8	20
86	Conductivity and sintering property of LaNi _{1-x} FexO ₃ ceramics prepared by Pechini method. <i>Solid State Ionics</i> , 2011 , 201, 87-93	3.3	27
85	Structural analysis of Li ₂ TiO ₃ by synchrotron X-ray diffraction at high temperature. <i>Journal of Nuclear Materials</i> , 2011 , 417, 692-695	3.3	3
84	Substitution site and photoluminescence spectra of Eu ³⁺ -substituted SrTiO ₃ prepared by Pechini method. <i>Materials Letters</i> , 2011 , 65, 1819-1821	3.3	18
83	Optical properties of photoluminescent polycrystalline CuLa _{0.98} Eu _{0.02} O ₂ thin film prepared by pulsed laser deposition at room temperature. <i>Materials Letters</i> , 2011 , 65, 2492-2494	3.3	3
82	Low Temperature Preparation of LaNi _{1-x} FexO ₃ as New Cathode Material for SOFC - Advantage of Liquid Phase Mixing Method -. <i>ECS Transactions</i> , 2011 , 35, 1935-1943	1	3
81	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> , 2011 , 14, 229-236	2.8	2
80	¹⁵¹ Eu Mössbauer measurements of CuLa _{1-x} Eu _x O ₂ with luminescent property 2011 , 605-608		
79	Phase Transition Behavior of Proton Conducting Oxides, Sr _{1-x} BaxZrO ₃ . <i>ECS Transactions</i> , 2010 , 28, 251-258		2
78	Photoinduced Phase Transformations in Boron Nitride: New Polytypic Forms of sp ³ -Bonded (6H- and 30H-) BN. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 13176-13186	3.8	8
77	Orange luminescence of Eu ³⁺ -doped CuLaO ₂ delafossite oxide. <i>Journal of the Ceramic Society of Japan</i> , 2010 , 118, 1217-1220	1	19
76	Investigation of structural phase transition behavior of SrZrO ₃ by thermal analyses and high-temperature X-ray diffraction. <i>Solid State Ionics</i> , 2010 , 181, 1091-1097	3.3	22
75	Neutron diffraction study of the crystal structure and structural phase transition of La _{0.7} Ca _{0.3} SrxCrO ₃ (0 ≤ x ≤ 0.3). <i>Journal of Solid State Chemistry</i> , 2010 , 183, 392-401	3.3	5
74	Evaluation of thermodynamic and kinetic stability of CuAlO ₂ and CuGaO ₂ . <i>Journal of Thermal Analysis and Calorimetry</i> , 2010 , 99, 57-63	4.1	37
73	Preparation of LaNi _{1-x} FexO ₃ single phase and characterization of their phase transition behaviors. <i>Solid State Ionics</i> , 2010 , 181, 1771-1782	3.3	21

72	Analysis of phase transition behavior of BaCeO ₃ with thermal analyses and high temperature X-ray diffraction. <i>Solid State Ionics</i> , 2009 , 180, 1034-1039	3-3	24
71	Crystal structure of advanced lithium titanate with lithium oxide additives. <i>Journal of Nuclear Materials</i> , 2009 , 386-388, 1098-1101	3-3	14
70	P-type sp ³ -bonded BN/n-type Si heterodiode solar cell fabricated by laser plasma synchronous CVD method. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 225107	3	5
69	Construction of Structural Phase Diagram of LaGa _{1-x} Mg _x O ₃ -DELTA. by Using Various Diffraction Measurements and Thermal Analyses-Effect of Long Period Anti-Phase Domain Structure on Phase Diagram-. <i>Electrochemistry</i> , 2009 , 77, 169-177	1.2	
68	Crystal Structure and Thermal Expansion Behavior of La _{0.7} Sr _{0.3} Ga _{0.7} Fe _{0.2} Mg _{0.1} O ₃ -DELTA. at High Temperature-Effect of Chemical State of Fe and Oxygen Nonstoichiometry-. <i>Electrochemistry</i> , 2009 , 77, 127-130	1.2	1
67	Structural analysis of oxide ion conductor, Ba _{2-x} Sr _x In ₂ O ₅ and Ba ₂ In _{2-x} Ga _x O ₅ - Significance of synchrotron X-ray diffraction at high temperatures. <i>Journal of the Ceramic Society of Japan</i> , 2009 , 117, 56-59	1	1
66	Analysis of crystal structure and phase relationship of Ba _{2-x} La _x In ₂ O ₅ +.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> , 2009 , 117, 60-65	1	1
65	Calculation of photonic energy bands of TiO ₂ hollow spherical arrays. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 185-9	1.3	4
64	Preparation of La _{1-x} Ca _x Sr _y CrO ₃ with High-Density Structural Phase Transition and Electrical Conduction Properties. <i>Journal of the Electrochemical Society</i> , 2008 , 155, A395	3-9	6
63	Space Group Determination of Al ₂ (WO ₄) ₃ using Convergent-Beam Electron Diffraction. <i>Japanese Journal of Applied Physics</i> , 2008 , 47, 4664-4668	1.4	1
62	Analysis of phase transition and expansion behaviour of Al ₂ (WO ₄) ₃ by temperature-regulated X-ray diffraction. <i>Physica Status Solidi (B): Basic Research</i> , 2008 , 245, 2504-2508	1.3	5
61	Effect of oxygen nonstoichiometry on electrical conduction property of BaBiO ₃ . <i>Journal of Physics and Chemistry of Solids</i> , 2008 , 69, 284-288	3-9	6
60	Analysis of relationship between magnetic property and crystal structure of La _{1-x} Sr _x CrO ₃ (x=0.13, 0.15). <i>Solid State Communications</i> , 2008 , 145, 502-506	1.6	6
59	Analysis of structural and magnetic phase transition behaviors of La _{1-x} Sr _x CrO ₃ by measurement of heat capacity with thermal relaxation technique. <i>Thermochimica Acta</i> , 2008 , 474, 57-61	2-9	4
58	Relationship between Magnetic Property and Structural Phase Transition of La _{1-x} Sr _x CrO ₃ . <i>Nihon Kessho Gakkaishi</i> , 2008 , 50, 144-149	0	
57	Investigation of phase transition in Li ₂ TiO ₃ by high temperature X-ray diffraction. <i>Journal of Nuclear Materials</i> , 2007 , 367-370, 1052-1056	3-3	20
56	Improvement of Sintering Property of LaCrO ₃ System by Simultaneous Substitution of Ca and Sr. <i>Journal of the Ceramic Society of Japan</i> , 2007 , 115, 81-84		7
55	Thermal Expansion and Phase Transition Behavior of Al _{2-x} M _x (WO ₄) ₃ (M=Y, Ga and Sc) Ceramics. <i>Journal of the Ceramic Society of Japan</i> , 2007 , 115, 176-181		16

54	Discovery of new phase and analysis of phase relationships in BaBiO ₃ with thermal analyses. <i>Thermochimica Acta</i> , 2005 , 431, 33-37	2.9	
53	DSC, DTA and TG studies on structural phase transitions in Tl ₂ ZnCl ₄ . <i>Thermochimica Acta</i> , 2005 , 431, 73-75	2.9	4
52	Analysis of magnetic and structural phase transition behaviors of La _{1-x} Sr _x CrO ₃ for preparation of phase diagram. <i>Thermochimica Acta</i> , 2005 , 435, 222-229	2.9	19
51	Analysis of the Effect of the Oxide Ion Vacancy on the Crystal Structure of La _{1-x} CaxCrO ₃ -by High-Temperature X-Ray Diffraction under Various Oxygen Partial Pressures. <i>Defect and Diffusion Forum</i> , 2005 , 242-244, 9-16	0.7	2
50	Structural Analysis of Ce _{1-x} M _x O _{2-0.5x} (M=Gd,Sm,Y) by High Temperature XRD under Various Oxygen Partial Pressures. <i>Journal of the Electrochemical Society</i> , 2004 , 151, E46	3.9	22
49	The electrical conductivity and structural phase transitions of cation-substituted Ba ₂ In ₂ O ₅ . <i>Solid State Ionics</i> , 2004 , 169, 9-13	3.3	34
48	Crystal structure and phase transition behavior of La _{1-x} Sr _x Ga _{1-y} MgyO ₃ - <i>Solid State Ionics</i> , 2004 , 174, 193-203	3.3	18
47	Preparation of Dense ZrO ₂ /ZrW ₂ O ₈ Cosintered Ceramics with Controlled Thermal Expansion Coefficients. <i>Journal of the Ceramic Society of Japan</i> , 2004 , 112, 271-275		30
46	Expansion Behavior of Ce _{1-x} Gd _y O _{2-0.5y} under Various Oxygen Partial Pressures Evaluated by HTXRD. <i>Journal of the Electrochemical Society</i> , 2003 , 150, A952	3.9	55
45	Determination of space group of BaPb _{0.75} Bi _{0.25} O ₃ by convergent-beam electron diffraction. <i>Physica C: Superconductivity and Its Applications</i> , 2002 , 382, 422-430	1.3	2
44	Refinement of crystal structural parameters and charge density using convergent-beam electron diffraction--the rhombohedral phase of LaCrO ₃ . <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2002 , 58, 514-25		43
43	Observation of Two Kinds of Structural Phase Transitions in the Ba ₂ In ₂ O ₅ System. <i>Journal of the Electrochemical Society</i> , 2002 , 149, A1381	3.9	26
42	Press-Free Preparation Method of Dense Negative-Thermal-Expansion Oxide, Zr _{1-x} Y _x W ₂ O ₈ -DELTA. (x=0.00-0.02) Ceramic Using Reactive Sintering.. <i>Journal of the Ceramic Society of Japan</i> , 2002 , 110, 807-812		6
41	Thermal Analysis of Phase Transition in Negative-Thermal-Expansion Oxide, ZrW ₂ O ₈ . Detection of Trace Amount of H ₂ O and .LAMBDA.-Type Transition.. <i>Journal of the Ceramic Society of Japan</i> , 2002 , 110, 823-825		8
40	Preparation of Dense Negative-Thermal-Expansion Oxide by Rapid Quenching of ZrW ₂ O ₈ Melt.. <i>Journal of the Ceramic Society of Japan</i> , 2002 , 110, 544-548		9
39	Determination of the crystal system and space group of BaBiO ₃ by convergent-beam electron diffraction and x-ray diffraction using synchrotron radiation. <i>Physical Review B</i> , 2001 , 64,	3.3	10
38	Electronic conductivity, Seebeck coefficient, defect and electronic structure of nonstoichiometric La _{1-x} Sr _x MnO ₃ . <i>Solid State Ionics</i> , 2000 , 132, 167-180	3.3	172
37	Absorption and secession of H ₂ O and CO ₂ on Ba ₂ In ₂ O ₅ and their effects on crystal structure. <i>Solid State Ionics</i> , 2000 , 128, 227-231	3.3	41

36	The Effect of Defect Structure on Electrical Conductivity and Thermoelectric Power of $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ at High Temperatures. <i>Electrochemistry</i> , 2000 , 68, 507-514	1.2	7
35	Determination of the Space Group of LaCrO_3 by Convergent-Beam Electron Diffraction. <i>Journal of the Electrochemical Society</i> , 2000 , 147, 4408	3.9	11
34	Electrical and Ionic Conductivity of Gd-Doped Ceria. <i>Journal of the Electrochemical Society</i> , 2000 , 147, 3606	3.9	220
33	Oxygen nonstoichiometry of $\text{Ce}_{1-y}\text{Sm}_y\text{O}_{2-0.5y}$ ($y=0.1, 0.2$). <i>Solid State Ionics</i> , 1999 , 126, 349-357	3.3	52
32	Pressure-induced structural phase transition of LaCrO_3 . <i>Solid State Communications</i> , 1998 , 108, 691-694	1.6	26
31	Preparation of Dense $\text{BaPb}_{0.75}\text{Bi}_{0.25}\text{O}_3$ Ceramic by Controlling the Defect Structure. <i>Journal of the Ceramic Society of Japan</i> , 1998 , 106, 778-781		1
30	Nonstoichiometry of $\text{Ce}_{0.8}\text{Gd}_{0.2}\text{O}_{1.9}$. <i>Journal of the Electrochemical Society</i> , 1997 , 144, 4076-4080	3.9	56
29	Oxygen deficiency, crystal system and conduction behavior of $\text{BaPb}_{0.75}\text{Bi}_{0.25}\text{O}_3$. <i>AIChE Journal</i> , 1997 , 43, 2865-2869	3.6	2
28	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> , 1997 , 131, 150-159	3.3	47
27	Reversible structural phase transition of $\text{BaPb}_{0.75}\text{Bi}_{0.25}\text{O}_3$ around 360°C . <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 246, 228-234	1.3	1
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23	New oxide phase with wide band gap and high electroconductivity CdGa_2O_4 spinel. <i>Applied Physics Letters</i> , 1993 , 62, 499-500	3.4	72
22	Preparation of MgIn_2O_4 -X Thin Films on Glass Substrate by RF Sputtering. <i>Japanese Journal of Applied Physics</i> , 1993 , 32, L1260-L1262	1.4	61
21	New oxide phase $\text{Cd}_{1-x}\text{Y}_x\text{Sb}_2\text{O}_6$ with a wide band gap and high electrical conductivity. <i>Applied Physics Letters</i> , 1993 , 63, 3335-3337	3.4	16
20	Effect of oxygen-deficiency on the structure and conduction behavior of $\text{BaPb}_{0.75}\text{Bi}_{0.25}\text{O}_3$. <i>Solid State Communications</i> , 1993 , 87, 251-254	1.6	15
19	Chemical stability of CVD source materials for high- T_c superconducting films. <i>Journal of Materials Research</i> , 1992 , 7, 1336-1340	2.5	16

18	Development and application of a microbeam plasma generator. <i>Applied Physics Letters</i> , 1992 , 60, 816-817	3.4	122
17	New oxide phase with wide band gap and high electroconductivity, MgIn ₂ O ₄ . <i>Applied Physics Letters</i> , 1992 , 61, 1954-1955	3.4	108
16	Preparation of SrCuO _y film in ultra-high vacuum system. <i>Solid State Ionics</i> , 1991 , 49, 183-186	3.3	5
15	Photo-Absorption and photochemical decomposition of copper and alkaline-earth diketonates as source gases of high-T _c superconducting films. <i>Applied Organometallic Chemistry</i> , 1991 , 5, 325-330	3.1	7
14	Low-temperature synthesis of BiSrCaCuO films by photo CVD method. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 190, 143-144	1.3	
13	Photo Chemical Vapor Deposition of Metal Oxide Films Relating to Bi-Sr-Ca-Cu-O Superconductor. <i>Japanese Journal of Applied Physics</i> , 1991 , 30, 656-660	1.4	7
12	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> , 1991 , 30, 1685-1686	1.4	32
11	Purification and UV-VIS Light Absorption Property of Source Materials for CVD of High-T _c Superconducting Films. <i>Japanese Journal of Applied Physics</i> , 1990 , 29, L2215-L2218	1.4	14
10	Superconductivity in Eu-La-Ce-Cu-O System. <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , 1990 , 184, 183-187		
9	Preparation of a Bi-Sr-Ca-Cu-O High-T _c Superconductor by the Reaction of a Cu-Free Precursor with Cu Plate. <i>Japanese Journal of Applied Physics</i> , 1989 , 28, L984-L986	1.4	3
8	Superconductivity in a New Oxide System of Eu-La-Ce-Cu-O. <i>Japanese Journal of Applied Physics</i> , 1989 , 28, L1115-L1117	1.4	8
7	Thermal Expansion Coefficients of High-T _c Superconductors. <i>Japanese Journal of Applied Physics</i> , 1988 , 27, L214-L216	1.4	44
6	Chemical Interaction between Ba ₂ YCu ₃ O ₇ - δ and Substrate Materials in the Solid State. <i>Japanese Journal of Applied Physics</i> , 1988 , 27, L1216-L1218	1.4	60
5	Stabilization of Ba ₂ YCu ₃ O ₇ - δ by Surface Coating with Plasma Polymerized Fluorocarbon Film. <i>Japanese Journal of Applied Physics</i> , 1988 , 27, L2088-L2090	1.4	21
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1	Some Problems in the Preparation of Superconducting Oxide Films on Ceramic Substrates. <i>Japanese Journal of Applied Physics</i> , 1987 , 26, L763-L765	1.4	30

