

Junichiro Mizusaki

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Nonstoichiometry of the perovskite-type oxides $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$. Journal of Solid State Chemistry, 1989, 80, 102-111.	1.4	435
2	Nonstoichiometry and defect structure of the perovskite-type oxides $\text{La}_{1-x}\text{Sr}_x\text{FeO}_3$. Journal of Solid State Chemistry, 1985, 58, 257-266.	1.4	394
3	Diffusion of oxide ion vacancies in perovskite-type oxides. Journal of Solid State Chemistry, 1988, 73, 179-187.	1.4	367
4	Electronic Conductivity, Seebeck Coefficient, and Defect Structure of $\text{La}_{1-x}\text{Sr}_x\text{FeO}_3$ ($x=0.1, 0.25$). Journal of the American Ceramic Society, 1983, 66, 247-252.	1.9	242
5	Nonstoichiometry, diffusion, and electrical properties of perovskite-type oxide electrode materials. Solid State Ionics, 1992, 52, 79-91.	1.3	224
6	Electrical Conductivity and Seebeck Coefficient of Nonstoichiometric $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$. Journal of the Electrochemical Society, 1989, 136, 2082-2088.	1.3	219
7	Electronic conductivity, Seebeck coefficient, defect and electronic structure of nonstoichiometric $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$. Solid State Ionics, 2000, 132, 167-180.	1.3	198
8	Reaction Kinetics and Microstructure of the Solid Oxide Fuel Cells Air Electrode $\text{La}_{0.6}\text{Ca}_{0.4}\text{MnO}_3/\text{YSZ}$. Journal of the Electrochemical Society, 1991, 138, 1867-1873.	1.3	178
9	Nonstoichiometry and phase relationship of the $\text{SrFeO}_{2.5}\text{SrFeO}_3$ system at high temperature. Journal of Solid State Chemistry, 1992, 99, 166-172.	1.4	172
10	Electronic Conductivity, Seebeck Coefficient, and Defect Structure of LaFeO_3 . Journal of the American Ceramic Society, 1982, 65, 363-368.	1.9	169
11	Preparation of Nickel Pattern Electrodes on YSZ and Their Electrochemical Properties in H_2 Atmospheres. Journal of the Electrochemical Society, 1994, 141, 2129-2134.	1.3	166
12	Nonstoichiometry and thermochemical stability of the perovskite-type $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$. Solid State Ionics, 1991, 49, 111-118.	1.3	156
13	Investigation of proton diffusion in Nafion®117 membrane by electrical conductivity and NMR. Solid State Ionics, 2009, 180, 580-584.	1.3	138
14	Enhancement of oxygen exchange at the hetero interface of $(\text{La,Sr})\text{CoO}_3/(\text{La,Sr})_2\text{CoO}_4$ in composite ceramics. Solid State Ionics, 2008, 178, 1843-1852.	1.3	132
15	Oxygen nonstoichiometry and defect equilibrium in $\text{La}_{2-x}\text{Sr}_x\text{NiO}_{4+}$. Solid State Ionics, 2009, 180, 368-376.	1.3	111
16	Thermodynamic quantities and defect equilibrium in the perovskite-type oxide solid solution $\text{La}_{1-x}\text{Sr}_x\text{FeO}_3$. Journal of Solid State Chemistry, 1987, 67, 1-8.	1.4	110
17	Tracer diffusion coefficient of oxide ions in LaCoO_3 single crystal. Journal of Solid State Chemistry, 1984, 54, 100-107.	1.4	100
18	Lattice expansion upon reduction of perovskite-type LaMnO_3 with oxygen-deficit nonstoichiometry. Solid State Ionics, 2003, 161, 209-217.	1.3	96

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19	Oxygen nonstoichiometry and defect structure analysis of B-site mixed perovskite-type oxide (La _{1-x} Ti _x) ₂ O ₇ . Journal of Solid State Chemistry, 1996, 143, 3065-3073.	1.4	92
20	A Chemical Diffusion-Controlled Electrode Reaction at the Compact La _{1-x} Sr _x MnO ₃ /Stabilized Zirconia Interface in Oxygen Atmospheres. Journal of the Electrochemical Society, 1996, 143, 3065-3073.	1.3	89
21	Defect structure analysis of B-site doped perovskite-type proton conducting oxide BaCeO ₃ . Solid State Ionics, 2008, 179, 2240-2247.	1.3	88
22	Oxygen nonstoichiometry and thermo-chemical stability of La _{0.6} Sr _{0.4} Co _{1-y} Fe _y O _{3-δ} (y=0.2, 0.4, 0.6, 0.8). Solid State Ionics, 2010, 181, 1713-1719.	1.3	84
23	Determination of hydrogen solubility in oxide ceramics by using SIMS analyses. Solid State Ionics, 1999, 125, 325-331.	1.3	79
24	Thermal and chemical lattice expansibility of La _{0.6} Sr _{0.4} Co _{1-y} Fe _y O _{3-δ} (y=0.2, 0.4, 0.6 and 0.8). Solid State Ionics, 2011, 186, 37-43.	1.3	77
25	Electrical Conductivity, Defect Equilibrium and Oxygen Vacancy Diffusion Coefficient of La _{1-x} Ca _x AlO _{3-δ} Single Crystals. Journal of the Electrochemical Society, 1993, 140, 467-471.	1.3	70
26	Diffusion of oxide ions in LaFeO ₃ single crystal. Journal of Solid State Chemistry, 1984, 55, 50-53.	1.4	69
27	Polarization mechanism of high temperature electrolysis in a Ni ⁰ /YSZ/YSZ/LSM solid oxide cell by parametric impedance analysis. Solid State Ionics, 2013, 232, 80-96.	1.3	68
28	Electrical properties of La _{2-x} Sr _x CoO ₄ : Structure, electrical conductivity, and Seebeck coefficient	1.9	66
29	Simple Mathematical Model for the Electrical Conductivity of Highly Porous Ceramics. Journal of the American Ceramic Society, 1996, 79, 109-113.	1.9	66
30	Defect Chemistry of La _{2-x} Sr _x CuO ₄ : Oxygen Nonstoichiometry and Thermodynamic Stability. Journal of Solid State Chemistry, 1997, 131, 150-159.	1.4	65
31	High temperature electrical properties of the perovskite-type oxide La _{1-x} Sr _x MnO _{3-δ} . Journal of Physics and Chemistry of Solids, 1995, 56, 943-950.	1.9	63
32	Protonic-Electronic Mixed Conduction and Hydrogen Permeation in BaCe _{0.9-x} Y _{0.1} Ru _x O _{3-δ} . Journal of the Electrochemical Society, 2005, 152, A488.	1.3	62
33	Oxygen nonstoichiometry of the perovskite-type oxide LaCaCrO ₃ (x=0.1, 0.2, 0.3). Solid State Ionics, 2004, 174, 287-293.	1.3	60
34	Defect structure analysis of B-site doped perovskite-type proton conducting oxide BaCe _{0.9} M _{0.1} O _{3-δ} (M = Y and Yb). Solid State Ionics, 2009, 180, 127-131.	1.3	55
35	Kinetics of the Electrode Reaction at the Pt/Stabilized Zirconia Interface. Journal of the Electrochemical Society, 1994, 141, 1674-1683.	1.3	54
36	Electronic state of oxygen nonstoichiometric La _{2-x} Sr _x NiO _{4-δ} at high temperatures. Physical Chemistry Chemical Physics, 2009, 11, 3055.	1.3	52

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37	Electrochemical Behaviors of Mixed Conducting Oxide Anodes for Solid Oxide Fuel Cell. Journal of the Electrochemical Society, 2008, 155, B563.	1.3	49
38	Solid State CO_2 Sensor with Li_2CO_3 - Li_3PO_4 - LiAlO_2 Electrolyte and LiCoO_2 Electrode. Journal of the Electrochemical Society, 1997, 144, 4345-4350.	1.3	48
39	Determination of the Reaction Zone in Gadolinia-Doped Ceria Anode for Solid Oxide Fuel Cell. Journal of the Electrochemical Society, 2008, 155, B1244.	1.3	48
40	Composite Cathode of Perovskite-Related Oxides, $(\text{La,Sr})\text{CoO}_{3-x}$ · $(\text{La,Sr})\text{CoO}_{4-x}$, for Solid Oxide Fuel Cells. Electrochemical and Solid-State Letters, 2009, 12, B135.	2.2	45
41	Structural analysis of $\text{La}_2\text{Sr NiO}_4$ by high temperature X-ray diffraction. Solid State Ionics, 2010, 181, 292-299.	1.3	45
42	High temperature gravimetric study on nonstoichiometry and oxygen adsorption of SnO_2 . Journal of Solid State Chemistry, 1990, 88, 443-450.	1.4	42
43	Surface reaction of hydrogen on a palladium alloy membrane under co-existence of H_2O , CO , CO_2 or CH_4 . International Journal of Hydrogen Energy, 2007, 32, 4023-4029.	3.8	41
44	Oxygen nonstoichiometry of the perovskite-type oxides $\text{BaCe}_{0.9}\text{M}_{0.1}\text{O}_3$ (M Y, Yb, Sm, Tb, and Nd). Solid State Ionics, 2008, 179, 529-535.	1.3	40
45	Thermally-induced and chemically-induced structural changes in layered perovskite-type oxides $\text{Nd}_2\text{Sr NiO}_4$ ($x = 0, 0.2, 0.4$). Solid State Ionics, 2010, 181, 402-411.	1.3	39
46	The crystal structure, oxygen nonstoichiometry and chemical stability of $\text{Ba}_{0.5}\text{Sr}_{0.5}\text{Co}_{0.8}\text{Fe}_{0.2}\text{O}_3$ (BSCF). Physical Chemistry Chemical Physics, 2014, 16, 7307.	1.3	38
47	Effect of Nb doping on the chemical stability of BSCF-based solid solutions. Solid State Ionics, 2014, 262, 719-723.	1.3	37
48	Advances in Solid Oxide Fuel Cells: Review of Progress through Three Decades of the International Symposia on Solid Oxide Fuel Cells. ECS Transactions, 2017, 78, 63-73.	0.3	33
49	Electrode reaction and microstructure of $\text{La}_{0.6}\text{Sr}_{0.4}\text{CoO}_3$ thin films. Solid State Ionics, 2006, 177, 1961-1964.	1.3	32
50	Microscopic states of water and methanol in Nafion membrane observed by NMR micro imaging. Solid State Ionics, 2005, 176, 2451-2456.	1.3	31
51	Studies on Electrode Processes of Stabilized Zirconia Cell System by Complex Impedance Method. Bulletin of the Chemical Society of Japan, 1981, 54, 1688-1692.	2.0	30
52	Electrical conductivity, Seebeck coefficient, and defect structure of oxygen nonstoichiometric $\text{Nd}_2\text{Sr NiO}_4$. Materials Chemistry and Physics, 2010, 122, 250-258.	2.0	30
53	Phase diagram calculations of ZrO_2 -based ceramics with an emphasis on the reduction/oxidation equilibria of cerium ions in the $\text{ZrO}_2\text{-YO}_{1.5}\text{-CeO}_2\text{-CeO}_{1.5}$ system. Journal of Phase Equilibria and Diffusion, 2001, 22, 331-338.	0.3	29
54	Effect of thickness of $\text{Gd}_{0.1}\text{Ce}_{0.9}\text{O}_{1.95}$ electrolyte films on electrical performance of anode-supported solid oxide fuel cells. Journal of Power Sources, 2010, 195, 5487-5492.	4.0	28

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55	Electrical properties of $\text{La}_{2-x}\text{Sr}_x\text{CoO}_4$: Models and analysis of the relationship between cobalt 3d electron state and structural, electrical and magnetic properties. <i>Journal of Physics and Chemistry of Solids</i> , 1988, 49, 1409-1418.	1.9	27
56	Hydrogen permeability and electrical properties in oxide composites. <i>Solid State Ionics</i> , 2008, 178, 1663-1667.	1.3	26
57	An Oxygen Negative Ion Source of a New Concept Using Solid Oxide Electrolytes. <i>Journal of the Electrochemical Society</i> , 2003, 150, E117.	1.3	25
58	Chemical stability of $\text{La}_{1-x}\text{Sr}_x\text{CrO}_3$ in oxidizing atmospheres. <i>Journal of Solid State Chemistry</i> , 2004, 177, 4112-4118.	1.4	25
59	Electrical Conductivity and Oxygen Diffusivity of Perovskite-Type Solid Solution $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{1-y}\text{Fe}_y\text{O}_{3-\delta}$ ($y=0.2, 0.4, 0.5, 0.6$). <i>Tsukuba University</i>	1.5	25
60	In situ analysis on the electrical conductivity degradation of NiO doped yttria stabilized zirconia electrolyte by micro-Raman spectroscopy. <i>Electrochimica Acta</i> , 2012, 82, 263-267.	2.6	25
61	Thermodynamic analyses of structural phase transition of Pr_2NiO_4 involving variation of oxygen content. <i>Thermochimica Acta</i> , 2014, 575, 129-134.	1.2	25
62	Electrochemical Oxidation in a $\text{CH}_4/\text{H}_2\text{O}$ System at the Interface of a Pt Electrode and ZrO_2 Electrolyte: I. Determination of the Predominant Reaction Process. <i>Journal of the Electrochemical Society</i> , 1998, 145, 920-925.	1.3	23
63	Fracture process of nonstoichiometric oxide based solid oxide fuel cell under oxidizing/reducing gradient conditions. <i>Journal of Power Sources</i> , 2010, 195, 5481-5486.	4.0	23
64	Effect of Y_2O_3 addition on the conductivity and elastic modulus of $(\text{CeO}_2)_{1-x}(\text{YO}_{1.5})_x$. <i>Solid State Ionics</i> , 2009, 180, 1220-1225.	1.3	22
65	Oxygen nonstoichiometry and chemical stability of $\text{Nd}_{2-x}\text{Sr}_x\text{NiO}_4$. <i>Journal of Solid State Chemistry</i> , 2009, 182, 1533-1537.	1.4	22
66	Single-Crystal Growth of Perovskite-Type $\text{La}_{1-x}\text{Sr}_x\text{MO}_3$ ($M=\text{Fe}, \text{Co}$) Solid Solutions. <i>Japanese Journal of Applied Physics</i> , 1984, 23, 1172-1175.	0.8	20
67	In situ XRD study on oxygen-excess LaMnO_3 . <i>Solid State Ionics</i> , 2004, 175, 383-386.	1.3	20
68	Thermal Expansion of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ as Determined by High-Temperature X-ray Diffraction under Controlled Oxygen Partial Pressures. <i>Journal of the American Ceramic Society</i> , 1995, 78, 1781-1786.	1.9	19
69	Electronic Structure of Protonic Conductor $\text{BaCe}_{0.90}\text{Y}_{0.10}\text{O}_3$ Probed by Soft-X-Ray Spectroscopy. <i>Japanese Journal of Applied Physics</i> , 2004, 43, L731-L734.	0.8	19
70	Improvement of electrochemical performance of anode-supported SOFCs by $\text{NiO}/\text{Ce}_{0.9}\text{Gd}_{0.1}\text{O}_{1.95}$ nanocomposite powders. <i>Solid State Ionics</i> , 2010, 181, 1238-1243.	1.3	19
71	A comparative study of $\text{NiO}/\text{Ce}_{0.9}\text{Gd}_{0.1}\text{O}_{1.95}$ nanocomposite powders synthesized by hydroxide and oxalate co-precipitation methods. <i>Ceramics International</i> , 2012, 38, 85-92.	2.3	19
72	High temperature transport properties at metal/ SrTiO_3 interfaces. <i>Journal of the European Ceramic Society</i> , 1999, 19, 687-691.	2.8	17

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73	Defect chemical and statistical thermodynamic studies on oxygen nonstoichiometric Nd ₂ Sr NiO ₄ +. Solid State Ionics, 2009, 180, 1406-1413.	1.3	17
74	Thermodynamic quantities and defect equilibrium in La ₂ Sr NiO ₄ +. Journal of Solid State Chemistry, 2009, 182, 1121-1128.	1.4	17
75	Coexistence of electrons and holes in BaBi _{0.25} Pb _{0.75} O ₃ detected by thermoelectric-power measurements. Physical Review B, 1995, 51, 576-580.	1.1	16
76	Crystal structure and thermal expansion behavior of oxygen stoichiometric lanthanum strontium manganite at high temperature. Solid State Ionics, 2014, 256, 83-88.	1.3	16
77	The influence of grain boundary on the conductivity of donor doped SrTiO ₃ . Solid State Ionics, 2006, 177, 2555-2559.	1.3	15
78	Nonstoichiometry of the perovskite-type solid solution La _{0.9} Ca _{0.1} Cr _{1-x} Al _x O ₃ . Solid State Ionics, 2006, 177, 1925-1928.	1.3	15
79	Reaction kinetics on platinum electrode / yttrium-doped barium cerate interface under H ₂ /H ₂ O atmosphere. Solid State Ionics, 2010, 181, 240-248.	1.3	15
80	Phase stability of La _{1-x} Ca _x CrO ₃ in oxidizing atmosphere. Journal of Solid State Chemistry, 2003, 170, 68-74.	1.4	14
81	Slow relaxation kinetics of Sr(Zr, Y)O ₃ in wet atmosphere. Solid State Ionics, 2008, 179, 851-854.	1.3	14
82	The application of an Improved d.c. Polarization Technique to the Electronic Conductivity Measurements of I ₂ -AgI and AgBr. Bulletin of the Chemical Society of Japan, 1978, 51, 694-699.	2.0	13
83	Hydrogen isotope sensor using high temperature proton conductors. Solid State Ionics, 2004, 175, 491-495.	1.3	12
84	Analysis of role of oxygen deficiency in crystal structure and conduction mechanism of BaBi _{0.25} Pb _{0.75} O ₃ . Journal of Physics and Chemistry of Solids, 1995, 56, 777-785.	1.9	11
85	Promotion of Oxygen Surface Reaction at the Hetero-Interface of (La,Sr)CoO ₃ / (La,Sr) ₂ CoO ₄ . ECS Transactions, 2007, 7, 1055-1060.	0.3	11
86	Kinetics of the Reaction at the Silver/Silver Sulfide Interface. Bulletin of the Chemical Society of Japan, 1973, 46, 1663-1667.	2.0	10
87	Application of FT-IR for in situ investigation of high temperature electrode reactions. Solid State Ionics, 2005, 176, 2399-2403.	1.3	10
88	Electrode Performance at Hetero-interface of Perovskite-related Oxides, (La, Sr)CoO ₃ / (La, Sr) ₂ CoO ₄ . ECS Transactions, 2007, 7, 1287-1292.	0.3	10
89	Oxygen nonstoichiometry and electrical conductivity of LaNi _{0.6} Fe _{0.4} O ₃ at high temperatures under various oxygen partial pressures. Solid State Ionics, 2015, 274, 119-122.	1.3	10
90	The Determination of the Chemical Diffusion Coefficients for AgBr and I ₂ -AgI by Means of an Improved d.c. Polarization Cell. Bulletin of the Chemical Society of Japan, 1979, 52, 1890-1895.	2.0	9

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91	Martensitic Transformation in $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$. Japanese Journal of Applied Physics, 1984, 23, 1197-1201.	0.8	9
92	Chemical compatibility of perovskite-type oxide $\text{La}_{0.7}\text{Ca}_{0.3}\text{Cr}_{1-y}\text{Co}_y\text{O}_3$ with Y_2O_3 stabilized ZrO_2 . Materials Research Bulletin, 1995, 30, 679-687.	2.7	9
93	Electric Properties of $[\text{ZrO}_2]_{0.8}[\text{CeO}_2]_{0.2}[\text{CaO}]_{0.9}$. Solid State Ionics, 1998, 145, 2552-2558.	1.3	9
94	Oxygen Nonstoichiometry, Crystal Structure, and Mechanical Properties of La_2NiO_4 . ECS Transactions, 2009, 25, 2573-2580.	0.3	9
95	Defect structure analysis of proton-oxide ion mixed conductor $\text{BaCe}_{0.9}\text{Nd}_{0.1}\text{O}_{3+\delta}$. Solid State Ionics, 2010, 181, 1336-1343.	1.3	9
96	Nb-Doped SrTiO_3 -Based High-Temperature Schottky Solar Cells. Japanese Journal of Applied Physics, 2005, 44, 8023-8026.	0.8	8
97	High Temperature Defect Equilibrium, Solid State Properties and Crystal Structure of $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{1-y}\text{Fe}_y\text{O}_{3-\delta}$ ($y=0.2, 0.4, 0.6, 0.8$) for Cathode of Solid Oxide Fuel Cells. ECS Transactions, 2009, 25, 2375-2380.	0.3	8
98	Oxygen Nonstoichiometry of Perovskite-type $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{1-y}\text{Fe}_y\text{O}_{3-\delta}$ ($y=0, 0.2, 0.4, 0.5$). Journal of the Electrochemical Society, 2009, 156, 1000-1007.	1.3	8
99	Electrical conductivity and chemical diffusion in Perovskite-type proton conductors in H_2 - H_2O gas mixtures. Solid State Ionics, 2011, 192, 76-82.	1.3	8
100	Analysis of structural phase transition behavior of Ln_2NiO_4 ($\text{Ln}: \text{Nd}, \text{Pr}$) with variation of oxygen content. Solid State Ionics, 2014, 262, 724-727.	1.3	8
101	Emission Characteristics of O^- Ions from a Bare Surface of Yttria-Stabilized Zirconia (YSZ) at Elevated Temperatures. Japanese Journal of Applied Physics, 2002, 41, L657-L659.	0.8	7
102	Effect of Electrochemical Polarization on the Emission of O^+ Ions from the Surface of YSZ. Journal of the Electrochemical Society, 2003, 150, E543.	1.3	7
103	Catalytic chemical potential shift on the surface of nonstoichiometric oxides under non-equilibrium gas atmosphere. Solid State Ionics, 2005, 176, 2411-2416.	1.3	7
104	Emission characteristics of F^- ions into vacuum from CaF_2 . Solid State Ionics, 2006, 177, 1601-1605.	1.3	7
105	Defect equilibrium and electron transport in the bulk of single crystal $\text{SrTi}_{1-x}\text{Nb}_x\text{O}_3$ ($x=0.01, 0.001$). Journal of the Electrochemical Society, 2007, 154, 1000-1007.	1.3	7
106	Tailoring the chemical stability of cobalt-rich perovskite mixed conductor. Solid State Ionics, 2016, 288, 2-5.	1.3	7
107	Single Crystal Growth of $\text{La}_{2-x}\text{Sr}_x\text{CoO}_4$ ($x=0.0, 0.5, 1.0$ and 1.5). Japanese Journal of Applied Physics, 1984, 23, 1143-1144.	0.8	6
108	Microstructural Changes of Ni/YSZ Cermet under Repeated Redox Reaction in Environmental Scanning Electron Microscope (ESEM). ECS Transactions, 2007, 7, 1373-1380.	0.3	6

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109	Visualization of Damage Progress in Solid Oxide Fuel Cells. Journal of Environment and Engineering, 2011, 6, 499-511.	0.2	6
110	Effect of Redox Cycling on Mechanical Properties of Ni-YSZ Cermets for SOFC Anodes. ECS Transactions, 2011, 35, 1473-1482.	0.3	6
111	The Determination of the Chemical Diffusion Coefficient of n-Type AgBr by Means of a D.c. Polarization Cell. Bulletin of the Chemical Society of Japan, 1981, 54, 2444-2449.	2.0	5
112	Electronic Structure in the Band-Gap Region of Protonic Conductor SrZr _{0.90} Y _{0.10} O _{3-δ} . Japanese Journal of Applied Physics, 2004, 43, 5419-5420.	0.8	5
113	High-Temperature Defect and Crystal Structure of Perovskite Type Oxide Ion Conductor La _{0.8} Sr _{0.2} Ga _{0.8} Mg _{0.15} Co _{0.05} O _{3-δ} . ECS Transactions, 2009, 25, 1701-1708.	0.3	5
114	High-Temperature Gravimetric Study on the Kinetics of the Formation of SrTiO ₃ by Solid State Reaction of SrCO ₃ and TiO ₂ . ECS Transactions, 2009, 16, 205-210.	0.3	5
115	Conductivities and Seebeck Coefficients of donor-doped-SrTiO ₃ Oxide Ceramics. ECS Transactions, 2009, 25, 2631-2638.	0.3	5
116	Thermal decomposition of mixed zirconium and yttrium oxide hydrate. Thermochimica Acta, 1990, 163, 303-312.	1.2	4
117	Kinetics of the Reaction at the Silver Sulfide-Liquid Sulfur Interface. Bulletin of the Chemical Society of Japan, 1978, 51, 1027-1031.	2.0	3
118	Oxygen deficiency, crystal system and conduction behavior of BaPb _{0.75} Bi _{0.25} O _{3-δ} . AIChE Journal, 1997, 43, 2865-2869.	1.8	3
119	Electrical conduction and mass transport properties of SrZr _{0.99} Fe _{0.01} O _{3-δ} . Solid State Ionics, 2010, 181, 868-873.	1.3	3
120	Mechanism of NO _x Sensing by the Variation of Conductivity of La ₂ CuO ₄ . IEEJ Transactions on Sensors and Micromachines, 1998, 118, 161-167.	0.0	3
121	Response and electrode reaction of zirconia sensors in H ₂ -H ₂ O gas atmosphere. Sensors and Actuators B: Chemical, 1993, 13, 121-124.	4.0	2
122	An Oxygen Sensor Using a Process of High-Temperature Oxidation of Metal. Journal of the Electrochemical Society, 1999, 146, 1608-1611.	1.3	2
123	Determination of space group of BaPb _{0.75} Bi _{0.25} O ₃ by convergent-beam electron diffraction. Physica C: Superconductivity and Its Applications, 2002, 382, 422-430.	0.6	2
124	Electrical Conductivity and Thermoelectric Power of La _{2-x} Sr _x NiO _{4+δ} . ECS Transactions, 2009, 16, 317-325.	0.3	2
125	Reversible structural phase transition of BaPb _{0.75} Bi _{0.25} O _{3.00} around 360°C. Physica C: Superconductivity and Its Applications, 1995, 246, 228-234.	0.6	1
126	CO Sensing Mechanism with Chemical Potential Shifting on Au/YSZ Interface.. Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2000, 47, 1026-1031.	0.1	1

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127	Defect-Induced Far-Infrared Absorption in Oxygen-Ion Conductor (CeO ₂) _{0.9} (CaO) _{0.1} . Journal of the Physical Society of Japan, 2001, 70, 2245-2247.	0.7	1
128	Solid Oxid Fuel Cells. IEEJ Transactions on Fundamentals and Materials, 1990, 110, 221-230.	0.2	0
129	Reliability Evaluation of SOFC under Simulated Operating Condition. ECS Transactions, 2007, 7, 455-458.	0.3	0
130	Electrical Properties of Nb-Doped SrTiO ₃ Ceramics with Excess TiO ₂ for Anodes and Interconnects of SOFCs. ECS Transactions, 2007, 7, 1639-1644.	0.3	0
131	Electrochemical Behaviors of Mixed Conducting Oxide Anodes for SOFC. ECS Transactions, 2007, 7, 1601-1607.	0.3	0
132	Design Concept for the High Temperature Photoelectronic Devices Using SrTiO ₃ . Journal of the Electrochemical Society, 2009, 156, P107.	1.3	0
133	Mechanical Properties of La _{0.6} Sr _{0.4} Co _{1-y} Fe _y O _{3-δ} under Various Temperatures and Oxygen Partial Pressures. ECS Transactions, 2011, 35, 2429-2434.	0.3	0