

Junichiro Mizusaki

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	Tailoring the chemical stability of cobalt-rich perovskite mixed conductor. Solid State Ionics, 2016, 288, 2-5.	1.3	7
3	Oxygen nonstoichiometry and electrical conductivity of $\text{LaNi}_{0.6}\text{Fe}_{0.4}\text{O}_{3-\delta}$ at high temperatures under various oxygen partial pressures. Solid State Ionics, 2015, 274, 119-122.	1.3	10
4	Thermodynamic analyses of structural phase transition of $\text{Pr}_2\text{NiO}_{4+\delta}$ involving variation of oxygen content. Thermochimica Acta, 2014, 575, 129-134.	1.2	25
5	Effect of Nb doping on the chemical stability of BSCF-based solid solutions. Solid State Ionics, 2014, 262, 719-723.	1.3	37
6	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
7	Analysis of structural phase transition behavior of $\text{Ln}_2\text{NiO}_{4+\delta}$ (Ln: Nd, Pr) with variation of oxygen content. Solid State Ionics, 2014, 262, 724-727.	1.3	8
8	The crystal structure, oxygen nonstoichiometry and chemical stability of $\text{Ba}_{0.5}\text{Sr}_{0.5}\text{Co}_{0.8}\text{Fe}_{0.2}\text{O}_{3-\delta}$ (BSCF). Physical Chemistry Chemical Physics, 2014, 16, 7307.	1.3	38
9	Polarization mechanism of high temperature electrolysis in a $\text{Ni}^{\delta}\text{YSZ/YSZ/LSM}$ solid oxide cell by parametric impedance analysis. Solid State Ionics, 2013, 232, 80-96.	1.3	68
10	In situ analysis on the electrical conductivity degradation of NiO doped yttria stabilized zirconia electrolyte by micro-Raman spectroscopy. Electrochimica Acta, 2012, 82, 263-267.	2.6	25
11	A comparative study of $\text{NiO}^{\delta}\text{Ce}_{0.9}\text{Gd}_{0.1}\text{O}_{1.95}$ nanocomposite powders synthesized by hydroxide and oxalate co-precipitation methods. Ceramics International, 2012, 38, 85-92.	2.3	19
12	Electrical Conductivity and Oxygen Diffusivity of Perovskite-Type Solid Solution $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{1-y}\text{Fe}_y\text{O}_{3-\delta}$ ($y=0.2, 0.4, 0.5, 0.6$). Tj ETQ 0 0 0 BT / Over	1.3	0
13	Oxygen Nonstoichiometry of Perovskite-type $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{1-y}\text{Fe}_y\text{O}_{3-\delta}$ ($y=0, 0.2, 0.4, 0.5$). Tj ETQ 1 1 0 784314 r	1.3	0
14	Visualization of Damage Progress in Solid Oxide Fuel Cells. Journal of Environment and Engineering, 2011, 6, 499-511.	0.2	6
15	Electrical conductivity and chemical diffusion in Perovskite-type proton conductors in $\text{H}_2^{\delta}\text{H}_2\text{O}$ gas mixtures. Solid State Ionics, 2011, 192, 76-82.	1.3	8
16	Thermal and chemical lattice expansibility of $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{1-y}\text{Fe}_y\text{O}_{3-\delta}$ ($y=0.2, 0.4, 0.6$ and 0.8). Solid State Ionics, 2011, 186, 37-43.	1.3	77
17	Effect of Redox Cycling on Mechanical Properties of Ni-YSZ Cermets for SOFC Anodes. ECS Transactions, 2011, 35, 1473-1482.	0.3	6
18	Mechanical Properties of $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{1-y}\text{Fe}_y\text{O}_{3-\delta}$ under Various Temperatures and Oxygen Partial Pressures. ECS Transactions, 2011, 35, 2429-2434.	0.3	0

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19	Thermally-induced and chemically-induced structural changes in layered perovskite-type oxides $\text{Nd}_{2-x}\text{Sr}_x\text{NiO}_{4+}$ ($x = 0, 0.2, 0.4$). <i>Solid State Ionics</i> , 2010, 181, 402-411.	1.3	39
20	Improvement of electrochemical performance of anode-supported SOFCs by $\text{NiO} \cdot \text{Ce}_{0.9}\text{Gd}_{0.1}\text{O}_{1.95}$ nanocomposite powders. <i>Solid State Ionics</i> , 2010, 181, 1238-1243.	1.3	19
21	Defect structure analysis of proton-oxide ion mixed conductor $\text{BaCe}_{0.9}\text{Nd}_{0.1}\text{O}_{3+x}$. <i>Solid State Ionics</i> , 2010, 181, 1336-1343.	1.3	9
22	Electrical conductivity, Seebeck coefficient, and defect structure of oxygen nonstoichiometric $\text{Nd}_{2-x}\text{Sr}_x\text{NiO}_{4+}$. <i>Materials Chemistry and Physics</i> , 2010, 122, 250-258.	2.0	30
23	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. <i>Journal of Power Sources</i> , 2010, 195, 5487-5492.	4.0	28
24	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
25	Reaction kinetics on platinum electrode / yttrium-doped barium cerate interface under $\text{H}_2 \cdot \text{H}_2\text{O}$ atmosphere. <i>Solid State Ionics</i> , 2010, 181, 240-248.	1.3	15
26	Structural analysis of $\text{La}_{2-x}\text{Sr}_x\text{NiO}_{4+}$ by high temperature X-ray diffraction. <i>Solid State Ionics</i> , 2010, 181, 292-299.	1.3	45
27	Electrical conduction and mass transport properties of $\text{SrZr}_{0.99}\text{Fe}_{0.01}\text{O}_{3+x}$. <i>Solid State Ionics</i> , 2010, 181, 868-873.	1.3	3
28	Oxygen nonstoichiometry and thermo-chemical stability of $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{1-y}\text{Fe}_y\text{O}_{3-\delta}$ ($y=0.2, 0.4, 0.6, 0.8$). <i>Solid State Ionics</i> , 2010, 181, 1713-1719.	1.3	84
29	Composite Cathode of Perovskite-Related Oxides, $(\text{La,Sr})\text{CoO}_3 \cdot (\text{La,Sr})\text{CoO}_4$, for Solid Oxide Fuel Cells. <i>Electrochemical and Solid-State Letters</i> , 2009, 12, B135.	2.2	45
30	Oxygen Nonstoichiometry, Crystal Structure, and Mechanical Properties of $\text{La}_2\text{NiO}_{4+\delta}$. <i>ECS Transactions</i> , 2009, 25, 2573-2580.	0.3	9
31	High-Temperature Defect and Crystal Structure of Perovskite Type Oxide Ion Conductor $\text{La}_{0.8}\text{Sr}_{0.2}\text{Ga}_{0.8}\text{Mg}_{0.15}\text{Co}_{0.05}\text{O}_{3-\delta}$. <i>ECS Transactions</i> , 2009, 25, 1701-1708.	0.3	5
32	Design Concept for the High Temperature Photoelectronic Devices Using SrTiO_3 . <i>Journal of the Electrochemical Society</i> , 2009, 156, P107.	1.3	0
33	High-Temperature Gravimetric Study on the Kinetics of the Formation of SrTiO_3 by Solid State Reaction of SrCO_3 and TiO_2 . <i>ECS Transactions</i> , 2009, 16, 205-210.	0.3	5
34	Conductivities and Seebeck Coefficients of donor-doped- SrTiO_3 Oxide Ceramics. <i>ECS Transactions</i> , 2009, 25, 2631-2638.	0.3	5
35	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
36	Defect structure analysis of B-site doped perovskite-type proton conducting oxide $\text{BaCe}_{0.9}\text{M}_{0.1}\text{O}_{3+x}$ ($\text{M} = \text{Y}$ and Yb). <i>Solid State Ionics</i> , 2009, 180, 127-131.	1.3	55

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37	Investigation of proton diffusion in Nafion®117 membrane by electrical conductivity and NMR. Solid State Ionics, 2009, 180, 580-584.	1.3	138
38	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
39	Defect chemical and statistical thermodynamic studies on oxygen nonstoichiometric $\text{Nd}_{2-x}\text{Sr}_x\text{NiO}_{4+}$. Solid State Ionics, 2009, 180, 1406-1413.	1.3	17
40	Thermodynamic quantities and defect equilibrium in $\text{La}_{2-x}\text{Sr}_x\text{NiO}_{4+}$. Journal of Solid State Chemistry, 2009, 182, 1121-1128.	1.4	17
41	Oxygen nonstoichiometry and chemical stability of $\text{Nd}_{2-x}\text{Sr}_x\text{NiO}_{4+}$. Journal of Solid State Chemistry, 2009, 182, 1533-1537.	1.4	22
42	High Temperature Defect Equilibrium, Solid State Properties and Crystal Structure of $\text{La}_{0.6-x}\text{Sr}_{0.4-x}\text{Co}_{1-y}\text{Fe}_y\text{O}_{3-\delta}$ ($y=0.2, 0.4, 0.6, 0.8$) for Cathode of Solid Oxide Fuel Cells. ECS Transactions, 2009, 25, 2375-2380.	0.3	8
43	Electronic state of oxygen nonstoichiometric $\text{La}_{2-x}\text{Sr}_x\text{NiO}_{4+\delta}$ at high temperatures. Physical Chemistry Chemical Physics, 2009, 11, 3055.	1.3	52
44	Electrical Conductivity and Thermoelectric Power of $\text{La}_{2-x}\text{Sr}_x\text{NiO}_{4+\delta}$. ECS Transactions, 2009, 16, 317-325.	0.3	2
45	Oxygen nonstoichiometry and defect structure analysis of B-site mixed perovskite-type oxide $(\text{La}, \text{Tj})\text{ETQq1} \text{ } 1 \text{ } 0.784314 \text{ } \text{rgBT} / \text{Overlo}$	1.4	92
46	Hydrogen permeability and electrical properties in oxide composites. Solid State Ionics, 2008, 178, 1663-1667.	1.3	26
47	Enhancement of oxygen exchange at the hetero interface of $(\text{La}, \text{Sr})\text{CoO}_3 / (\text{La}, \text{Sr})_2\text{CoO}_4$ in composite ceramics. Solid State Ionics, 2008, 178, 1843-1852.	1.3	132
48	Slow relaxation kinetics of $\text{Sr}(\text{Zr}, \text{Y})\text{O}_3$ in wet atmosphere. Solid State Ionics, 2008, 179, 851-854.	1.3	14
49	Oxygen nonstoichiometry of the perovskite-type oxides $\text{BaCe}_{0.9}\text{M}_{0.1}\text{O}_{3-\delta}$ (M = Y, Yb, Sm, Tb, and Nd). Solid State Ionics, 2008, 179, 529-535.	1.3	40
50	Defect structure analysis of B-site doped perovskite-type proton conducting oxide BaCeO_3 . Solid State Ionics, 2008, 179, 2240-2247.	1.3	88
51	Defect equilibrium and electron transport in the bulk of single crystal $\text{SrTi}_{1-x}\text{Nb}_x\text{O}_3$ ($x=0.01, 0.001$), Tj ETQq1 1 0.784314 rgBT / Overlo	1.3	92
52	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
53	Electrochemical Behaviors of Mixed Conducting Oxide Anodes for Solid Oxide Fuel Cell. Journal of the Electrochemical Society, 2008, 155, B563.	1.3	49
54	Promotion of Oxygen Surface Reaction at the Hetero-Interface of $(\text{La}, \text{Sr})\text{CoO}_3 / (\text{La}, \text{Sr})_2\text{CoO}_4$. ECS Transactions, 2007, 7, 1055-1060.	0.3	11

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55	Reliability Evaluation of SOFC under Simulated Operating Condition. ECS Transactions, 2007, 7, 455-458.	0.3	0
56	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
57	Electrode Performance at Hetero-interface of Perovskite-related Oxides, (La, Sr)CoO _{3-δ} / (La, Sr) ₂ CoO _{4-δ} . ECS Transactions, 2007, 7, 1287-1292.	0.3	10
58	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
59	Electrochemical Behaviors of Mixed Conducting Oxide Anodes for SOFC. ECS Transactions, 2007, 7, 1601-1607.	0.3	0
60	Surface reaction of hydrogen on a palladium alloy membrane under co-existence of H ₂ O, CO, CO ₂ or CH ₄ . International Journal of Hydrogen Energy, 2007, 32, 4023-4029.	3.8	41
61	Electrode reaction and microstructure of La _{0.6} Sr _{0.4} CoO _{3-δ} thin films. Solid State Ionics, 2006, 177, 1961-1964.	1.3	32
62	The influence of grain boundary on the conductivity of donor doped SrTiO ₃ . Solid State Ionics, 2006, 177, 2555-2559.	1.3	15
63	Emission characteristics of F ⁻ ions into vacuum from CaF ₂ . Solid State Ionics, 2006, 177, 1601-1605.	1.3	7
64	Nonstoichiometry of the perovskite-type solid solution La _{0.9} Ca _{0.1} Cr _{1-δ} Al _{δ} O _{3-δ} . Solid State Ionics, 2006, 177, 1925-1928.	1.3	15
65	Microscopic states of water and methanol in Nafion membrane observed by NMR micro imaging. Solid State Ionics, 2005, 176, 2451-2456.	1.3	31
66	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
67	Application of FT-IR for in situ investigation of high temperature electrode reactions. Solid State Ionics, 2005, 176, 2399-2403.	1.3	10
68	Nb-Doped SrTiO ₃ -Based High-Temperature Schottky Solar Cells. Japanese Journal of Applied Physics, 2005, 44, 8023-8026.	0.8	8
69	Protonic-Electronic Mixed Conduction and Hydrogen Permeation in BaCe _{0.9-δ} Y _{0.1} Ru _x O _{3-δ} . Journal of the Electrochemical Society, 2005, 152, A488.	1.3	62
70	Electronic Structure of Protonic Conductor BaCe _{0.9} Y _{0.1} O _{3-δ} Probed by Soft-X-Ray Spectroscopy. Japanese Journal of Applied Physics, 2004, 43, L731-L734.	0.8	19
71	Electronic Structure in the Band-Gap Region of Protonic Conductor SrZr _{0.9} Y _{0.1} O _{3-δ} . Japanese Journal of Applied Physics, 2004, 43, 5419-5420.	0.8	5
72	Chemical stability of La _{1-δ} Sr _{δ} CrO ₃ in oxidizing atmospheres. Journal of Solid State Chemistry, 2004, 177, 4112-4118.	1.4	25

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73	Hydrogen isotope sensor using high temperature proton conductors. Solid State Ionics, 2004, 175, 491-495.	1.3	12
74	In situ XRD study on oxygen-excess LaMnO ₃ . Solid State Ionics, 2004, 175, 383-386.	1.3	20
75	Oxygen nonstoichiometry of the perovskite-type oxide LaCaCrO (=0.1, 0.2, 0.3). Solid State Ionics, 2004, 174, 287-293.	1.3	60
76	Phase stability of La _{1-x} CaxCrO ₃ in oxidizing atmosphere. Journal of Solid State Chemistry, 2003, 170, 68-74.	1.4	14
77	Lattice expansion upon reduction of perovskite-type LaMnO ₃ with oxygen-deficit nonstoichiometry. Solid State Ionics, 2003, 161, 209-217.	1.3	96
78	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
79	An Oxygen Negative Ion Source of a New Concept Using Solid Oxide Electrolytes. Journal of the Electrochemical Society, 2003, 150, E117.	1.3	25
80	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
81	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
82	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
83	Phase diagram calculations of ZrO ₂ -based ceramics with an emphasis on the reduction/oxidation equilibria of cerium ions in the ZrO ₂ -YO _{1.5} -CeO ₂ -CeO _{1.5} system. Journal of Phase Equilibria and Diffusion, 2001, 22, 331-338.	0.3	29
84	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
85	Electronic conductivity, Seebeck coefficient, defect and electronic structure of nonstoichiometric La _{1-x} SrxMnO ₃ . Solid State Ionics, 2000, 132, 167-180.	1.3	198
86	An Oxygen Sensor Using a Process of High-Temperature Oxidation of Metal. Journal of the Electrochemical Society, 1999, 146, 1608-1611.	1.3	2
87	Determination of hydrogen solubility in oxide ceramics by using SIMS analyses. Solid State Ionics, 1999, 125, 325-331.	1.3	79
88	High temperature transport properties at metal/SrTiO ₃ interfaces. Journal of the European Ceramic Society, 1999, 19, 687-691.	2.8	17
89	Electrochemical Oxidation in a CH ₄ -H ₂ O System at the Interface of a Pt Electrode and a ZrO ₂ Electrolyte: I. Determination of the Predominant Reaction Process. Journal of the Electrochemical Society, 1998, 145, 920-925.	1.3	23
90	Electric Properties of [ZrO ₂] _{0.8} (CeO ₂) _{0.2}]- _{0.9} (CaO) _{0.1} System. Journal of the Electrochemical Society, 1998, 145, 2552-2558.	1.3	9

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91	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
92	Solid State CO ₂ Sensor with Li ₂ CO ₃ -Li ₃ PO ₄ -LiAlO ₂ Electrolyte and LiCoO ₂ Electrode. Journal of the Electrochemical Society, 1997, 144, 4345-4350.	1.3	48
93	Oxygen deficiency, crystal system and conduction behavior of BaPb _{0.75} Bi _{0.25} O ₃ . AICHE Journal, 1997, 43, 2865-2869.	1.8	3
94	Defect Chemistry of La _{1-x} Sr _x CuO ₄ : Oxygen Nonstoichiometry and Thermodynamic Stability. Journal of Solid State Chemistry, 1997, 131, 150-159.	1.4	65
95	Simple Mathematical Model for the Electrical Conductivity of Highly Porous Ceramics. Journal of the American Ceramic Society, 1996, 79, 109-113.	1.9	66
96	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
97	Thermal Expansion of YBa ₂ Cu ₃ O _{7-x} as Determined by High-Temperature X-ray Diffraction under Controlled Oxygen Partial Pressures. Journal of the American Ceramic Society, 1995, 78, 1781-1786.	1.9	19
98	Reversible structural phase transition of BaPb _{0.75} Bi _{0.25} O _{3.00} around 360 Å°C. Physica C: Superconductivity and Its Applications, 1995, 246, 228-234.	0.6	1
99	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
100	High temperature electrical properties of the perovskite-type oxide La _{1-x} Sr _x MnO ₃ . Journal of Physics and Chemistry of Solids, 1995, 56, 943-950.	1.9	63
101	Chemical compatibility of perovskite-type oxide La _{0.7} Ca _{0.3} Cr _{1-y} Co _y O ₃ with Y ₂ O ₃ stabilized ZrO ₂ . Materials Research Bulletin, 1995, 30, 679-687.	2.7	9
102	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
103	Kinetics of the Electrode Reaction at the H ₂ -H ₂ O Porous Pt/Stabilized Zirconia Interface. Journal of the Electrochemical Society, 1994, 141, 1674-1683.	1.3	54
104	Preparation of Nickel Pattern Electrodes on YSZ and Their Electrochemical Properties in H ₂ -H ₂ O Atmospheres. Journal of the Electrochemical Society, 1994, 141, 2129-2134.	1.3	166
105	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
106	Electrical Conductivity, Defect Equilibrium and Oxygen Vacancy Diffusion Coefficient of La _{1-x} Ca _x AlO ₃ Single Crystals. Journal of the Electrochemical Society, 1993, 140, 467-471.	1.3	70
107	Nonstoichiometry, diffusion, and electrical properties of perovskite-type oxide electrode materials. Solid State Ionics, 1992, 52, 79-91.	1.3	224
108	Nonstoichiometry and phase relationship of the SrFeO _{2.5} SrFeO ₃ system at high temperature. Journal of Solid State Chemistry, 1992, 99, 166-172.	1.4	172

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109	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
110	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
111	High temperature gravimetric study on nonstoichiometry and oxygen adsorption of SnO_2 . Journal of Solid State Chemistry, 1990, 88, 443-450.	1.4	42
112	Thermal decomposition of mixed zirconium and yttrium oxide hydrate. Thermochemica Acta, 1990, 163, 303-312.	1.2	4
113	Solid Oxid Fuel Cells. IEEJ Transactions on Fundamentals and Materials, 1990, 110, 221-230.	0.2	0
114	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
115	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
116	Electrical properties of $\text{La}_{2-x}\text{Sr}_x\text{CoO}_4$: Structure, electrical conductivity, and Seebeck coefficient	1.9	66
117	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. Journal of Physics and Chemistry of Solids, 1988, 49, 1409-1418.	1.9	27
118	Diffusion of oxide ion vacancies in perovskite-type oxides. Journal of Solid State Chemistry, 1988, 73, 179-187.	1.4	367
119	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
120	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
121	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
122	Single-Crystal Growth of Perovskite-Type $\text{La}_{1-x}\text{Sr}_x\text{MO}_3$ (M=Fe, Co) Solid Solutions. Japanese Journal of Applied Physics, 1984, 23, 1172-1175.	0.8	20
123	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
124	Tracer diffusion coefficient of oxide ions in LaCoO_3 single crystal. Journal of Solid State Chemistry, 1984, 54, 100-107.	1.4	100
125	Diffusion of oxide ions in LaFeO_3 single crystal. Journal of Solid State Chemistry, 1984, 55, 50-53.	1.4	69
126	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

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127	Electronic Conductivity, Seebeck Coefficient, and Defect Structure of LaFeO ₃ . Journal of the American Ceramic Society, 1982, 65, 363-368.	1.9	169
128	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
129	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
130	The Determination of the Chemical Diffusion Coefficients for AgBr and $\hat{I}\pm$ -AgI by Means of an Improved d.c. Polarization Cell. Bulletin of the Chemical Society of Japan, 1979, 52, 1890-1895.	2.0	9
131	Kinetics of the Reaction at the Silver Sulfideâ€“Liquid Sulfur Interface. Bulletin of the Chemical Society of Japan, 1978, 51, 1027-1031.	2.0	3
132	The application of an Improved d.c. Polarization Technique to the Electronic Conductivity Measurements of $\hat{I}\pm$ -AgI and AgBr. Bulletin of the Chemical Society of Japan, 1978, 51, 694-699.	2.0	13
133	Kinetics of the Reaction at the Silverâ€“Silver Sulfide Interface. Bulletin of the Chemical Society of Japan, 1973, 46, 1663-1667.	2.0	10