

Shin-ichi Hashimoto

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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.	2.7	84
2	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). <i>Solid State Ionics</i> , 2011, 186, 37-43.	2.7	77
3	A study of $\text{Pr}_{0.7}\text{Sr}_{0.3}\text{Fe}_{1-x}\text{Ni}_x\text{O}_{3-\delta}$ as a cathode material for SOFCs with intermediate operating temperature. <i>Solid State Ionics</i> , 2005, 176, 1013-1020.	2.7	56
4	Study on the structural and electrical properties of $\text{Sr}_{1-x}\text{Ce}_x\text{MnO}_{3-\delta}$ ($x = 0.1, 0.3$) perovskite oxide. <i>Materials Research Bulletin</i> , 2000, 35, 2253-2262.	5.2	45
5	Influences of Temperature and Oxygen Partial Pressure on Mechanical Properties of $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.8}\text{Fe}_{0.2}\text{O}_{3-\delta}$. <i>Journal of the American Ceramic Society</i> , 2012, 95, 2608-2613.	2.7	16
6	Elastic moduli of $\text{Ce}_{0.9}\text{Gd}_{0.1}\text{O}_{2-\delta}$ at high temperatures under controlled atmospheres. <i>Solid State Ionics</i> , 2011, 198, 32-38.	2.7	28
7	Conduction properties of $\text{CaTi}_{1-x}\text{M}_x\text{O}_{3-\delta}$ ($M=\text{Ga}, \text{Sc}$) at elevated temperatures. <i>Solid State Ionics</i> , 2001, 139, 179-187.	2.7	17
8	Investigation and optimization of interface reactivity between $\text{Ce}_{0.9}\text{Gd}_{0.1}\text{O}_{1.95}$ and $\text{Zr}_{0.89}\text{Sc}_{0.1}\text{Ce}_{0.01}\text{O}_{2-\delta}$ for high performance intermediate temperature-solid oxide fuel cells. <i>Journal of Power Sources</i> , 2009, 193, 49-54.	7.8	16
9	Crystal structure and thermal expansion behavior of oxygen stoichiometric lanthanum strontium manganite at high temperature. <i>Solid State Ionics</i> , 2014, 256, 83-88.	2.7	16
10	Investigation of Current Leakage of Micro-tubular SOFCs with a Ceria Membrane for Low-intermediate Temperature Power-generation Applications. <i>Electrochemistry</i> , 2009, 77, 178-183.	1.4	11
11	Simulation of oxygen diffusion process on electrical conductivity relaxation. <i>Solid State Ionics</i> , 2014, 262, 696-700.	2.7	11
12	High Sinterability of Planetary-Bead-Milled Barium Zirconate. <i>Electrochemistry</i> , 2009, 77, 876-878.	1.4	9
13	Ferroelastic Domain Reorientations and Its Influence on Mechanical Properties of $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.2}\text{Fe}_{0.8}\text{O}_{3-\delta}$. <i>Journal of the Electrochemical Society</i> , 2014, 161, F3079-F3083.	2.9	9
14	Classification of Mechanical Failure in SOFC and Strategy for Evaluation of Operational Margin. <i>ECS Transactions</i> , 2009, 25, 467-472.	0.5	8
15	Performance of palladium electrode for electrochemical hydrogen pump using strontium-zirconate-based proton conductors. <i>Ionics</i> , 2009, 15, 665-670.	2.4	8
16	Transient shift of local oxygen potential in nonstoichiometric oxides upon application of mechanical stress. <i>Journal of Electroceramics</i> , 2014, 32, 78-85.	2.0	7
17	Effect of Surface Contaminations on the Hydriding Behaviour of $\text{LaNi}_{4.5}\text{Al}_{0.5}$. <i>Zeitschrift Fur Physikalische Chemie</i> , 1993, 181, 417-422.	2.8	5
18	Polarization Properties of an Intermediate Temperature Operated Ceramic Reactor in Power Generating Mode. <i>ECS Transactions</i> , 2007, 7, 609-613.	0.5	5

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19	Effects of Bi Addition on Sintering and Electrical Properties of Scandia Stabilized Zirconia as Intermediate-Temperature SOFC Electrolyte. <i>Electrochemistry</i> , 2009, 77, 184-189.	1.4	5
20	Anelastic properties of $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{1-\delta}\text{Fe}_\delta\text{O}_{3-\delta}$ at high temperatures. <i>Solid State Ionics</i> , 2014, 262, 337-339.	2.7	4
21	Effect of Mechanical Stress on Oxygen Potential of Transition Metal Oxides. <i>Journal of the Electrochemical Society</i> , 2014, 161, F3111-F3116.	2.9	3
22	Cell Performance of Microtubular SOFCs with Sc-Doped Zirconia Electrolyte under Pressurized Conditions. <i>ECS Transactions</i> , 2007, 7, 597-601.	0.5	2
23	Influence of Pressurization on the Properties of $(\text{La}_{1-x}\text{Sr}_x)_{1-z}(\text{Co}_{1-y}\text{Fe}_y)\text{O}_{3-\delta}$. DELTA. ($x=0.4; y=0.8; z=0-0.04$) as Cathode Materials for IT-SOFCs. <i>Electrochemistry</i> , 2009, 77, 140-142.	1.4	2
24	The Effect of Coexisting Oxides Upon Carbon Formation on Ni Surface. <i>ECS Transactions</i> , 2013, 57, 1571-1576.	0.5	2
25	Development of High-Performance Current Collectors via Novel Metal Coating for Micro-Tubular Cells. <i>ECS Transactions</i> , 2007, 7, 927-932.	0.5	1
26	Electrolyte Thin Film Formation for Solid Oxide Fuel Cells Using Water-based Slurry Contained $\text{Ce}_{0.9}\text{Gd}_{0.1}\text{O}_{1.95}$ Nano-powder. <i>Electrochemistry</i> , 2009, 77, 195-198.	1.4	1
27	Title is missing!. , 2001, 7, 107-111.		1