Atsushi Mineshige

List of Publications by Year
in descending order

91 papers	1,792 citations	361388 20 h-index	289230 40 g-index
92 all docs	92 docs citations	92 times ranked	2076 citing authors

#	Article	IF	Citations
1	Crystal Structure and Metalâ€“Insulator Transition of La1âˆ’xSrxCoO3. Journal of Solid State Chemistry, 1996, 121, 423-429.	2.9	224
2	Introduction of A-site deficiency into La0.6Sr0.4Co0.2Fe0.8O3â€“Î´ and its effect on structure and conductivity. Solid State Ionics, 2005, 176, 1145-1149.	2.7	150
3	Metalâ€“Insulator Transition and Crystal Structure of La1âˆ’xSrxCoO3as Functions of Sr-Content, Temperature, and Oxygen Partial Pressure. Journal of Solid State Chemistry, 1999, 142, 374-381.	2.9	141
4	Charge compensation mechanisms in Li1.16Ni0.15Co0.19Mn0.50O2 positive electrode material for Li-ion batteries analyzed by a combination of hard and soft X-ray absorption near edge structure. Journal of Power Sources, 2013, 222, 45-51.	7.8	130
5	Effects of mixed conduction on the open-circuit voltage of intermediate-temperature SOFCs based on Sm-doped ceria electrolytes. Solid State Ionics, 2005, 176, 663-668.	2.7	120
6	Electrochemical properties of ceria-based oxides for use in intermediate-temperature SOFCs. Solid State Ionics, 2005, 176, 647-654.	2.7	106
7	X-ray Absorption Spectroscopic Study on La_{0.6}Sr_{0.4}CoO_{3âˆ’Î´}Cathode Materials Related with Oxygen Vacancy Formation. Journal of Physical Chemistry C, 2011, 115, 16433-16438.	3.1	56
8	Electrical properties of La10Si6O27-based oxides. Solid State Ionics, 2008, 179, 1009-1012.	2.7	45
9	Novel porous TiO2 glass-ceramics with highly photocatalytic ability. Ceramics International, 2009, 35, 1693-1697.	4.8	38
10	Growth rate of yttria-stabilized zirconia thin films formed by electrochemical vapour-deposition using NiO as an oxygen source. Solid State Ionics, 1997, 104, 303-310.	2.7	36
11	An X-ray absorption spectroscopic study on mixed conductive La0.6Sr0.4Co0.8Fe0.2O3âˆ’Î´ cathodes. I. Electrical conductivity and electronic structure. Physical Chemistry Chemical Physics, 2011, 13, 16637.	2.8	34
12	Chemical stability of La10Si6O27 and its application to electrolytes for solid oxide fuel cells. Solid State Ionics, 2008, 179, 1567-1569.	2.7	33
13	Preparation of dense electrolyte layer using dissociated oxygen electrochemical vapor deposition technique. Solid State Ionics, 2004, 175, 483-485.	2.7	25
14	Ionic and Electronic Conductivities and Fuel Cell Performance of Oxygen Excess-Type Lanthanum Silicates. Journal of the Electrochemical Society, 2010, 157, B1465.	2.9	23
15	Effects of Pt/SrRuO3Top Electrodes on Ferroelectric Properties of Epitaxial (Pb, La)(Zr, Ti)O3Thin Films. Japanese Journal of Applied Physics, 2000, 39, 5451-5455.	1.5	22
16	Fabrication of anode supported SOFC using plasma-sprayed films of the apatite-type lanthanum silicate as an electrolyte. Solid State Ionics, 2010, 181, 1707-1712.	2.7	22
17	Effect of cation doping on ionic and electronic properties for lanthanum silicate-based solid electrolytes. Solid State Ionics, 2011, 192, 195-199.	2.7	22
18	Experimental Visualization of Interstitialcy Diffusion Pathways in Fast-Fluoride-Ion-Conducting Solid Electrolyte Ba_{0.6}La_{0.4}F_{2.4}. ACS Applied Energy Materials, 2020, 3, 2873-2880.	5.1	22

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19	Preparation of Yttria-Stabilized Zirconia Microtube by Electrochemical Vapor Deposition. Journal of the American Ceramic Society, 1995, 78, 3157-3159.	3.8	21
20	Oxygen chemical potential and mixed conduction in doped ceria under influence of oxygen partial pressure gradient. Solid State Ionics, 2002, 152-153, 493-498.	2.7	21
21	In Situ, Time-Resolved Normal Incidence Reflectance Spectroscopy of Polycrystalline Platinum Microelectrodes in Aqueous Electrolytes. Journal of Physical Chemistry B, 2005, 109, 36-39.	2.6	21
22	Relationship between Pyroelectric Properties and Electrode Sizes in (Pb, La)(Zr, Ti)O3(PLZT) Thin Films. Japanese Journal of Applied Physics, 1998, 37, 5154-5157.	1.5	20
23	Characterization of (Bi_{3.25}Nd_{0.75})Ti₃O₁₂ Thin Films with a- and b-Axis Orientations Deposited on Nb:TiO₂ Substrates by High-Temperature Sputtering. Japanese Journal of Applied Physics, 2010, 49, 09MA03.	1.5	16
24	Charge-discharge behavior of fluorine-intercalated graphite for the positive electrode of fluoride ion shuttle battery. Electrochemistry Communications, 2020, 110, 106626.	4.7	16
25	Effects of MnO2 Addition on Piezoelectric and Ferroelectric Properties of PbNi1/3Nb2/3O3-PbTiO3-PbZrO3 Ceramics.. Journal of the Ceramic Society of Japan, 2000, 108, 633-637.	1.3	15
26	Preparation of carbon-based transparent and conductive thin films by pyrolysis of silylated graphite oxides. Carbon, 2010, 48, 4009-4014.	10.3	15
27	Structures and Photocatalytic Properties of Crystalline Titanium Oxideâ€Dispersed Nanoporous Glassâ€“Ceramics. Journal of the American Ceramic Society, 2010, 93, 461-464.	3.8	15
28	Local structural analysis for oxide ion transport in La0.6Sr0.4FeO3â^'Î´ cathodes. Journal of Materials Chemistry, 2011, 21, 14013.	6.7	15
29	Preparation of Translucent Hydroxyapatite Ceramics by HIP and Their Physical Properties. Journal of the Ceramic Society of Japan, 1997, 105, 210-213.	1.3	13
30	Cermet-type hydrogen separation membrane obtained from fine particles of high temperature proton-conductive oxide and palladium. Thin Solid Films, 2007, 515, 7342-7346.	1.8	13
31	One-pot hybrid physicalâ€“chemical vapor deposition for formation of carbonaceous thin film with catalytic activity for oxygen reduction. Electrochemistry Communications, 2011, 13, 1451-1454.	4.7	13
32	Fabrication of apatite-type lanthanum silicate films and anode supported solid oxide fuel cells using nano-sized printable paste. Journal of the European Ceramic Society, 2014, 34, 373-379.	5.7	13
33	Electrical Property, Crystal Structure and Oxygen Nonstoichiometry of La₁₋<i>_x</i>Sr<i>_x</i>Co<sub>0.2</ Electrochemistry, 2000, 68, 515-518.	1.4	12
34	Porous Metal Tubular Support for Solid Oxide Fuel Cell Design. Electrochemical and Solid-State Letters, 2006, 9, A427.	2.2	12
35	Electrical and Interfacial Properties for a New Class of Oxide Ionic Conductors, La_{9.33+x}Si₆O_{26+1.5x}. ECS Transactions, 2008, 13, 31-38.	0.5	12
36	Hydrogen Evolution by Carbonaceous Nanoparticle Aggregates that were derived from Cobalt Phthalocyanine. ChemCatChem, 2013, 5, 130-133.	3.7	12

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37	Oxide ion and electron transport properties in lanthanum silicate oxyapatite ceramics. Solid State Ionics, 2014, 262, 555-558.	2.7	12
38	Direct Observation of Rate Determining Step for Nd2NiO4+^|^delta; SOFC Cathode Reaction by operando Electrochemical XAS. Electrochemistry, 2014, 82, 897-900.	1.4	12
39	Solid Oxide Fuel Cell Employing a New Class of Solid Electrolytes, La9.33+x(Si6-yAly)O26+1.5x-0.5y. Electrochemistry, 2009, 77, 146-148.	1.4	11
40	Electrochemical behavior of mixed conducting oxide cathode on oxygen excess-type solid electrolyte. Journal of Power Sources, 2012, 217, 170-174.	7.8	11
41	The state of P Onb non-bridging oxygen and proton incorporation in binary MOÂ·P2O5 (M = Ca, Mg) phosphate glasses. Solid State Ionics, 2013, 245-246, 19-23.	2.7	11
42	Raman study on defect structure of high-temperature protonic conducting ceramics. Solid State Ionics, 2006, 177, 2443-2445.	2.7	10
43	In Situ Oxidation of Alkanethiol Groups and Proton Transfer in Nanopores of Sodium Borosilicate Glasses. Journal of Physical Chemistry C, 2009, 113, 1891-1895.	3.1	10
44	Phase-separation and distribution of phenyl groups for PhTES-TEOS coatings prepared on polycarbonate substrate. Journal of Sol-Gel Science and Technology, 2011, 58, 80-84.	2.4	10
45	Carbonaceous thin film coated on nanoparticle as fuel cell catalyst formed by one-pot hybrid physicalâ€“chemical vapor deposition of iron phthalocyanine. Electrochimica Acta, 2013, 90, 366-374.	5.2	10
46	Preparation of ceria thin films and microtubes by vapor-phase deposition using NiO as oxygen source. Thin Solid Films, 1998, 323, 18-22.	1.8	9
47	Fabrication and Characterization of Nd-Substituted Bi4Ti3O12Thin Films witha- andb-Axis Orientations by High-Temperature Sputtering. Japanese Journal of Applied Physics, 2009, 48, 09KA09.	1.5	9
48	Effect of transition metal additives on electrical conductivity for La-excess-type lanthanum silicate. Solid State Ionics, 2010, 181, 1697-1701.	2.7	9
49	Microanalysis of a Grain Boundaryâ€™s Blocking Effect in Lanthanum Silicate Electrolyte for Intermediate-Temperature Solid Oxide Fuel Cells. ACS Applied Materials & Interfaces, 2013, 5, 5307-5313.	8.0	9
50	Influence of nano-sized LSCF cathode and its firing temperature on electrochemical performance in oxygen-excess-type solid electrolyte (OESE)-based fuel cells. Journal of Power Sources, 2014, 272, 422-426.	7.8	9
51	Firstâ€Principles Calculation and Proton Transfer in TiO₂â€Modified Porous Glass. Journal of the American Ceramic Society, 2010, 93, 127-131.	3.8	8
52	Lanthanum silicate-based layered electrolyte for intermediate-temperature fuel cell application. Journal of Power Sources, 2020, 475, 228543.	7.8	8
53	Electrochemical, Thermal, and Structural Features of BaF₂â€“SnF₂ Fluoride-Ion Electrolytes. Journal of Physical Chemistry C, 2021, 125, 12568-12577.	3.1	8
54	Fabrication of High-Density (Bi,La)(Zn,Mg,Ti)O₃â€“PbTiO₃ Solid Solutions with Ferroelectric and Piezoelectric Functionalities by Microstructural Control. Japanese Journal of Applied Physics, 2008, 47, 7664.	1.5	7

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55	Proton Incorporation, Mixed Alkaline Effect and H+/e^|^minus; Mixed Conduction of Phosphosilicate Glasses and Glass-ceramics. Electrochemistry, 2014, 82, 901-905.	1.4	7
56	Preparation of lanthanum silicate electrolyte with high conductivity and high chemical stability. Solid State Ionics, 2018, 319, 223-227.	2.7	7
57	Refined Position of the Morphotropic Phase Boundary and Compositional Search of Pb(Mg1/3Nb2/3)O3-PbZrO3-PbTiO3 Ceramics for Piezoelectric Applications. Journal of the Ceramic Society of Japan, 2006, 114, 241-246.	1.3	6
58	Vapor-Phase Deposition for Dense CeO[sub 2] Film Growth on Porous Substrates. Journal of the Electrochemical Society, 2006, 153, A975.	2.9	6
59	Preparation of CO2-selective separation membranes with highly chemical and thermal stability prepared from inorganic-organic nanohybrids containing branched polyethers. Journal of Materials Science, 2007, 42, 723-727.	3.7	6
60	Preparation and Fuel Cell Property of a Phosphosilicate Glass with Proton Transport Number tHâ€‰=â€‰1 at 400â€“500Â°C. Electrochemical and Solid-State Letters, 2011, 14, B63.	2.2	6
61	Growth of Perovskite (Bi,Ln)(Ni0.5Ti0.5)O3Thin Films by RF Magnetron Sputtering. Japanese Journal of Applied Physics, 2007, 46, 6938-6943.	1.5	5
62	Ionic and Electronic Conductivities for Ln_{9.33+x}Si₆O_{26+1.5x} under Various Conditions. ECS Transactions, 2008, 13, 39-45.	0.5	5
63	Crystallization of Amorphous (Pb, La)(Zr, Ti)O3 Thin Film and Its Electrical Properties.. Journal of the Ceramic Society of Japan, 2001, 109, 631-636.	1.3	4
64	Fabrication of YSZ Thin Films by Chemical Vapor Infiltration Using NiO as Oxygen Source. Journal of the Electrochemical Society, 2003, 150, C688.	2.9	4
65	Spinodal-type phase separation and proton conductivity of Al2O3-doped porous glasses. Journal of the Ceramic Society of Japan, 2010, 118, 1131-1134.	1.1	4
66	Effect of plastics substrate on phase separation behavior and adhesion for RSi(OC2H5)3â€“Si(OC2H5)4 coatings prepared by solâ€“gel process. Ceramics International, 2013, 39, 925-930.	4.8	4
67	Relationship between Local Structure and Oxide Ionic Diffusion of Nd2NiO4+^|^delta; with K2NiF4 Structure. Electrochemistry, 2014, 82, 875-879.	1.4	4
68	In situ Raman Spectroscopy of Pt/C Electrodes in H2SO4 Aqueous Solution. Electrochemistry, 2007, 75, 179-181.	1.4	3
69	Solvent effect on distribution of phenyl groups for C6H5SiO3/2â€“SiO2 coatings prepared on polycarbonate substrate. Journal of Sol-Gel Science and Technology, 2012, 62, 92-97.	2.4	3
70	High-pressure (GPa) impedance measurements based on an indentation-induced local stress field. Solid State Ionics, 2014, 254, 6-10.	2.7	3
71	Electrical Properties of Oxyapatite-Type Solid Electrolyte and Its Application to Solid Oxide Fuel Cell. ECS Transactions, 2019, 91, 1129-1138.	0.5	3
72	Preparation and Pyroelectric Properties of (Pb, La) (Zr, Ti)O₃ Ceramics. Journal of the Ceramic Society of Japan, 1997, 105, 312-316.	1.3	2

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73	Growth mechanism of thin films of yttria-stabilized zirconia by chemical vapor infiltration using NiOâ€“ceria substrate as oxygen source. Journal of Power Sources, 2006, 162, 1060-1066.	7.8	2
74	Monitoring of water dissolution into high temperature protonic conductors. Solid State Ionics, 2007, 178, 713-715.	2.7	2
75	Proton infiltration of phosphosilicate glass-electrolytes for intermediate temperature fuel cell. Materials Research Society Symposia Proceedings, 2013, 1495, 1.	0.1	2
76	A carbonaceous thin film containing N-coordinated Fe and Co with catalytic activity for oxygen reduction. Tanso, 2014, 2014, 165-168.	0.1	2
77	Preparation of In 2 O 3 crystals in phase separated structure of sodium borosilicate glass and its electrical conductivity. Materials Research Bulletin, 2017, 90, 87-93.	5.2	2
78	Preparation and Their Properties of Pb(Sc_{1/2}Ta_{1/2})O₃-Pb(Sc_{1/2}Nb_{1/2})O<sub>3</sub Solid-Solution Ceramics. Journal of the Ceramic Society of Japan, 1998, 106, 224-227.	1.3	1
79	Ferroelectric Properties and Memory Characteristics of Epitaxial Pb(Zr_{0.3}Ti_{0.7})O₃Thin Films with Different Thicknesses Crystallized by Hot Isostatic Pressing. Ferroelectrics, 2007, 357, 264-270.	0.6	1
80	Surface-modified Tubular Glass Electrolyte for Portable Direct Methanol Fuel Cell. Chemistry Letters, 2011, 40, 603-605.	1.3	1
81	é›»ä½ã‚¹ãƒ†ãƒƒãƒ——åå°„çŽ‡æ¸¬å®šã«ã‚ˆã‚‹ç™½é‡‘è¡¨é¢é…¸åŒ–éŽç¨‹ã®è¿½è·¡. Electrochemistry, 2006, 74, 397-401	1.4	0
82	Yttria-stabilized zirconia thin films deposited on NiOâ€“(Sm2O3)0.1(CeO2)0.8 substrates by chemical vapor infiltration. Journal of Power Sources, 2006, 162, 1053-1059.	7.8	0
83	Structural Characteristics and Ferroelectric Properties of Bismuth-Based Compound Thin Films Crystallized by Hot Isostatic Pressing. Key Engineering Materials, 0, 421-422, 143-147.	0.4	0
84	Growth and Electrical Properties of PbMg_{0.047}Nb_{0.095}Zr_{0.416}Ti_{0.442}O< Films Fabricated by Metalorganic Decomposition. Key Engineering Materials, 0, 421-422, 148-152.	0.4	0
85	Effects of Hot Isostatic-Pressing Treatment on Properties of PbMg_{0.047}Nb_{0.095}Zr_{0.416}Ti_{0.442}O₃Thin Films. Ferroelectrics, 2010, 409, 139-144.	0.6	0
86	Crystal Growth and Structural Characteristics of Preferentially<i>a-</i>and<i>b-</i>Axis<i>-</i>Oriented (Bi_{4-<i>x</i>}Nd<i>_x</i>)Ti₃O₁₂Films Fabricated by High<i>-</i>Temperature Sputtering. Ferroelectrics, 2010, 406, 155-160.	0.6	0
87	Characterization of carbon dioxide separation membrane with polycation nano-layers. Materials Research Society Symposia Proceedings, 2013, 1492, 137-142.	0.1	0
88	Flame Synthesis of Substoichiometric Titanium Oxide under Reduction Atmosphere. Journal of the Society of Powder Technology, Japan, 2015, 52, 500-507.	0.1	0
89	Effect of Substrate Materials on Physical Properties of Nd-Substituted Bi4Ti3O12 Thin Films with a- and b-Axis Orientations Deposited on IrO2/Al2O3 and Nb:TiO2 Substrates ?. Journal of the Korean Physical Society, 2011, 59, 2519-2523.	0.7	0
90	Structural Characteristics of Epitaxially a- and b-axis-oriented (Bi3.25Nd0.75)Ti3O12 Films Fabricated on Conductive Nb:TiO2 Substrates by High-temperature Sputtering. Journal of the Korean Physical Society, 2011, 59, 2528-2531.	0.7	0

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91	EFFECTS OF YTTRIUM AND SODIUM ADDITION ON PREPARATION AND HUMIDITY SENSITIVITY OF POROUS APATITE CERAMICS. Zairyo/Journal of the Society of Materials Science, Japan, 1999, 48, 116-121.	0.2	0