

# Koji Amezawa

## List of Publications by Year in descending order

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docs citations

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times ranked

2643  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermodynamic Analysis Enables Quantitative Evaluation of Lattice Oxygen Stability in Li-Ion Battery Cathodes. ACS Energy Letters, 2022, 7, 1687-1693.	17.4	14
2	High-temperature ionic logic gates composed of an ionic rectifying solidâ€ electrolyte interface. RSC Advances, 2022, 12, 18501-18506.	3.6	0
3	Computational Investigation of Lithium-Ion Transport Mechanisms in Perfluoropolyether Polymers. Journal of Physical Chemistry C, 2022, 126, 10237-10247.	3.1	2
4	Understanding the reaction mechanism and performances of 3d transition metal cathodes for all-solid-state fluoride ion batteries. Journal of Materials Chemistry A, 2021, 9, 406-412.	10.3	33
5	Kinetic analysis and alloy designs for metal/metal fluorides toward high rate capability for all-solid-state fluoride-ion batteries. Journal of Materials Chemistry A, 2021, 9, 7018-7024.	10.3	16
6	Oxygen defect engineering for the Li-rich cathode material $\text{Li}_{1.2}\text{Ni}_{0.13}\text{Co}_{0.13}\text{Mn}_{0.54}\text{O}_{2+\delta}$ . Journal of Materials Chemistry A, 2021, 9, 3657-3667.	10.3	46
7	Energy-Loss Near-Edge Structures and Low-Loss Structures of Polymers in a Solid Electrolyte Interface Formed from Fluoroethylene Carbonate on a Si Anode Clarified by DFT Calculations. Journal of Physical Chemistry C, 2021, 125, 3890-3900.	3.1	2
8	Cuâ€Pb Nanocomposite Cathode Material toward Room-Temperature Cycling for All-Solid-State Fluoride-Ion Batteries. ACS Applied Energy Materials, 2021, 4, 3352-3357.	5.1	18
9	Chemomechanical Simulation of LiF-Rich Solidâ€ Electrolyte Interphase Formed from Fluoroethylene Carbonate on a Silicon Anode. ACS Applied Energy Materials, 2021, 4, 3231-3239.	5.1	2
10	Oxygen vacancies-rich iron-based perovskite-like electrodes for symmetrical solid oxide fuel cells. Ceramics International, 2021, 47, 12916-12925.	4.8	21
11	Lattice Oxygen Instability in Oxideâ€Based Intercalation Cathodes: A Case Study of Layered $\text{LiNi}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3}\text{O}_2$ . Advanced Energy Materials, 2021, 11, 2101005.	19.5	34
12	Rate-Determining Process at Electrode/Electrolyte Interfaces for All-Solid-State Fluoride-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 30198-30204.	8.0	14
13	Evaluation of Reaction Mechanism of PCFC Composite Cathodes by Utilizing Patterned Thin Film Model Electrodes. ECS Transactions, 2021, 103, 1745-1751.	0.5	3
14	Experimental Evaluation of Influence of Stress on Li Chemical Potential and Phase Equilibrium in Two-phase Battery Electrode Materials. Electrochemistry, 2021, 89, 355-362.	1.4	6
15	An appropriate reference and counter electrode in an all-solid-state battery using NASICON-structured solid electrolyte. Electrochemistry Communications, 2021, 130, 107108.	4.7	3
16	Reversible and Fast (De)fluorination of Highâ€Capacity $\text{Cu}_2\text{O}$ Cathode: One Step Toward Practically Applicable Allâ€Solidâ€State Fluorideâ€Ion Battery. Advanced Energy Materials, 2021, 11, 2102285.	19.5	23
17	In Situ Evaluation of the Influence of Interstitial Oxygen on the Elastic Modulus of $\text{La}_2\text{NiO}_4$ . Metals, 2021, 11, 1889.	2.3	0
18	Elasticâ€Plastic Deformation of a Solid Electrolyte Interface Formed by Reduction of Fluoroethylene Carbonate: A Nanoindentation and Finite Element Analysis Study. Journal of Physical Chemistry C, 2020, 124, 22488-22495.	3.1	12

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19	Impact of Oxygen Defects on Electrochemical Processes and Charge Compensation of Li-Rich Cathode Material $\text{Li}_{1.2}\text{Mn}_{0.6}\text{Ni}_{0.2}\text{O}_{2\delta}$ . ACS Applied Energy Materials, 2020, 3, 9703-9713.	5.1	24
20	X-ray absorption spectroscopic studies on solid oxide fuel cells and proton-conducting ceramic fuel cells. Current Opinion in Electrochemistry, 2020, 21, 250-256.	4.8	17
21	Influence of Active Material Loading on Electrochemical Reactions in Composite Solid-State Battery Electrodes Revealed by <i>Operando</i> 3D CT-XANES Imaging. ACS Applied Energy Materials, 2020, 3, 7782-7793.	5.1	29
22	3D <i>Operando</i> Imaging and Quantification of Inhomogeneous Electrochemical Reactions in Composite Battery Electrodes. Journal of Physical Chemistry Letters, 2020, 11, 3629-3636.	4.6	35
23	Effect of post-deposition annealing in oxygen atmosphere on $\text{LiCoMnO}_4$ thin films for 5V lithium batteries. Thin Solid Films, 2019, 686, 137433.	1.8	3
24	Correlation between Electrode Reaction and Chromium Deposition in SOFC Cathodes. ECS Transactions, 2019, 91, 1231-1237.	0.5	1
25	Dynamic X-ray Spectroscopy of $\text{La}_{0.6}\text{Sr}_{0.4}\text{CoO}_{3-\delta}$ Thin Film Electrodes. ECS Transactions, 2019, 91, 1387-1395.	0.5	0
26	Morphological Effect on Reaction Distribution Influenced by Binder Materials in Composite Electrodes for Sheet-type All-Solid-State Lithium-Ion Batteries with the Sulfide-based Solid Electrolyte. Journal of Physical Chemistry C, 2019, 123, 3292-3298.	3.1	53
27	Defect chemical studies on oxygen release from the Li-rich cathode material $\text{Li}_{1.2}\text{Mn}_{0.6}\text{Ni}_{0.2}\text{O}_{2\delta}$ . Journal of Materials Chemistry A, 2019, 7, 5009-5019.	10.3	47
28	Evaluation of the Electronic and Local Structure of Mn in Proton-Conducting Oxide, $\text{Ca}(\text{Zr},\text{Mn})\text{O}_{3-\delta}$ , To Elucidate a Direct Hydrogen Dissolution Reaction. Journal of Physical Chemistry C, 2019, 123, 16034-16045.	3.1	1
29	Guidelines for All-Solid-State Battery Design and Electrode Buffer Layers Based on Chemical Potential Profile Calculation. ACS Applied Materials & Interfaces, 2019, 11, 19968-19976.	8.0	77
30	High-valence-state manganate ( $\text{Ba}_3\text{Mn}_2\text{O}_8$ ) as an efficient anode of a proton-conducting solid oxide steam electrolyzer. Inorganic Chemistry Frontiers, 2019, 6, 1587-1597.	6.0	8
31	<i>Operando</i> Observation of Formation and Annihilation of Inhomogeneous Reaction Distribution in a Composite Electrode for Lithium-Ion Batteries. Batteries and Supercaps, 2019, 2, 688-694.	4.7	14
32	Energy efficiency of ionic transport through proton conducting ceramic electrolytes for energy conversion applications. Journal of Materials Chemistry A, 2018, 6, 15771-15780.	10.3	55
33	Visualization of Inhomogeneous Reaction Distribution in the Model $\text{LiCoO}_2$ Composite Electrode of Lithium Ion Batteries. Journal of Physical Chemistry C, 2017, 121, 2118-2124.	3.1	35
34	First-Principles Calculations for the Energetics of the Hydration Reaction of Acceptor-Doped $\text{BaZrO}_3$ . Chemistry of Materials, 2017, 29, 1518-1526.	6.7	60
35	Defect chemistry and thermodynamic properties of proton dissolution into $\text{BaZr}_{0.9}\text{Y}_{0.1}\text{O}_{3-\delta}$ . Solid State Ionics, 2017, 303, 12-15.	2.7	5
36	Effect of a (La,Sr) <sub>2</sub> CoO <sub>4</sub> Phase on the Oxygen Exchange Reaction of Dense and Porous (La,Sr)CoO <sub>3</sub> Electrodes. ECS Transactions, 2017, 77, 9-14.	0.5	2

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37	Operando Soft X-ray Absorption Spectroscopic Study on a Solid Oxide Fuel Cell Cathode during Electrochemical Oxygen Reduction. <i>ChemSusChem</i> , 2017, 10, 2008-2014.	6.8	20
38	Evaluation of electrical conductivity and oxygen diffusivity of the typical Ruddlesden-Popper oxide Sr <sub>3</sub> Fe <sub>2</sub> O <sub>7</sub> . <i>Ceramics International</i> , 2017, 43, 16264-16269.	4.8	18
39	Materials Properties for the Simulation of Electro-Chemo-Mechanical Coupling Behavior of SOFC. <i>ECS Transactions</i> , 2017, 78, 2309-2316.	0.5	1
40	Contribution of Triple-Phase Boundary Reaction in Cathodic Reaction of Solid Oxide Fuel Cell. <i>ECS Transactions</i> , 2017, 78, 847-853.	0.5	3
41	Mechanism of Chromium Poisoning in SOFC Cathode Investigated by Using Pattern Thin Film Model Electrode. <i>ECS Transactions</i> , 2017, 78, 965-970.	0.5	4
42	The influence of crystal orientation on the change in Li chemical potential of LiCoO <sub>2</sub> under mechanical stress. <i>Solid State Ionics</i> , 2017, 299, 8-12.	2.7	4
43	Protonic conduction in SmBO <sub>3</sub> with high-temperature phase. <i>Solid State Ionics</i> , 2016, 285, 170-174.	2.7	0
44	Oxygen Nonstoichiometry and Thermodynamic Explanation of Large Oxygen-Deficient Ruddlesden-Popper Oxides La <sub>x</sub> Sr <sub>3-2x</sub> Fe <sub>2</sub> O <sub>7-1.5x</sub> . <i>Journal of the American Ceramic Society</i> , 2016, 99, 3792-3801.	3.8	12
45	Tailoring the chemical stability of cobalt-rich perovskite mixed conductor. <i>Solid State Ionics</i> , 2016, 288, 2-5.	2.7	7
46	Bismuth and indium co-doping strategy for developing stable and efficient barium zirconate-based proton conductors for high-performance H-SOFCs. <i>Journal of the European Ceramic Society</i> , 2016, 36, 3423-3431.	5.7	52
47	The determining factor for interstitial oxygen formation in Ruddlesden-Popper type La <sub>2</sub> NiO <sub>4</sub> -based oxides. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 1564-1569.	2.8	36
48	Electromotive force measurements of LiCoO <sub>2</sub> electrode on a lithium ion-conducting glass ceramics under mechanical stress. <i>Solid State Ionics</i> , 2016, 285, 75-78.	2.7	14
49	Oxygen nonstoichiometry and thermodynamic quantities in the Ruddlesden-Popper oxides LaSr <sub>3</sub> Fe <sub>2</sub> O <sub>7</sub> . <i>Solid State Ionics</i> , 2016, 288, 298-302.	2.7	21
50	Theoretical study on temperature effect of electronic structure and spin state in LaCoO <sub>3</sub> by using density functional theory. <i>Solid State Ionics</i> , 2016, 285, 195-201.	2.7	12
51	Effect of Mechanical Stress on Lithium Chemical Potential in Positive Electrodes and Solid Electrolytes for Lithium Ion Batteries. <i>Electrochemistry</i> , 2015, 83, 894-897.	1.4	13
52	Oxygen nonstoichiometry, the defect equilibrium model and thermodynamic quantities of the Ruddlesden-Popper oxide Sr <sub>3</sub> Fe <sub>2</sub> O <sub>7</sub> . <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 7489-7497.	2.8	33
53	The effect of interstitial oxygen formation on the crystal lattice deformation in layered perovskite oxides for electrochemical devices. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10471-10479.	10.3	40
54	Evaluation of the effective reaction zone in a composite cathode for lithium ion batteries. <i>Solid State Ionics</i> , 2014, 262, 66-69.	2.7	11

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55	Simulation of oxygen diffusion process on electrical conductivity relaxation. Solid State Ionics, 2014, 262, 696-700.	2.7	11
56	Editorial for the JECR special issue on electro-chemo-mechanics. Journal of Electroceramics, 2014, 32, 1-2.	2.0	2
57	Transient shift of local oxygen potential in nonstoichiometric oxides upon application of mechanical stress. Journal of Electroceramics, 2014, 32, 78-85.	2.0	7
58	Oxide ion and electron transport properties in lanthanum silicate oxyapatite ceramics. Solid State Ionics, 2014, 262, 555-558.	2.7	12
59	Anelastic properties of $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{1-x}\text{Fe}_x\text{O}_{3-\delta}$ at high temperatures. Solid State Ionics, 2014, 262, 337-339.	2.7	4
60	Effect of Nb doping on the chemical stability of BSCF-based solid solutions. Solid State Ionics, 2014, 262, 719-723.	2.7	37
61	Crystal structure and thermal expansion behavior of oxygen stoichiometric lanthanum strontium manganite at high temperature. Solid State Ionics, 2014, 256, 83-88.	2.7	16
62	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.	2.8	38
63	Chemically-induced expansion of $\text{Zr}_{0.2}\text{Ce}_{0.8}\text{O}_{2-\delta}$ . Solid State Ionics, 2014, 261, 1-4.	2.7	12
64	Development of in situ soft X-ray absorption spectroscopic technique under high temperature and controlled atmosphere. Solid State Ionics, 2014, 262, 911-913.	2.7	8
65	Stability of $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.2}\text{Fe}_{0.8}\text{O}_{3-\delta}$ as SOFC Cathode. Journal of the Electrochemical Society, 2012, 159, F659-F664.	2.9	24
66	Electrical conductivities of strontium-doped rare earth ultraphosphates and oxyphosphates. Journal of Electroceramics, 2012, 29, 29-36.	2.0	3
67	Local structural arrangements around oxygen and hydrogen-related defects in proton conducting $\text{LaP}_3\text{O}_9$ investigated by first principles calculations. International Journal of Hydrogen Energy, 2012, 37, 7995-8003.	7.1	10
68	Influences of Temperature and Oxygen Partial Pressure on Mechanical Properties of $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.2}\text{Fe}_{0.8}\text{O}_{3-\delta}$ . Journal of the American Ceramic Society, 2012, 95, 2608-2613.	2.8	13
69	An X-ray absorption spectroscopic study on mixed conductive $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.8}\text{Fe}_{0.2}\text{O}_{3-\delta}$ cathodes. I. Electrical conductivity and electronic structure. Physical Chemistry Chemical Physics, 2011, 13, 16637.	2.8	34
70	Local structural analysis for oxide ion transport in $\text{La}_{0.6}\text{Sr}_{0.4}\text{FeO}_{3-\delta}$ cathodes. Journal of Materials Chemistry, 2011, 21, 14013.	6.7	15
71	X-ray Absorption Spectroscopic Study on $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.3}\text{O}_{3-\delta}$ Cathode Materials Related with Oxygen Vacancy Formation. Journal of Physical Chemistry C, 2011, 115, 16433-16438.	3.1	56
72	Structure, Water Uptake, and Electrical Conductivity of $\text{TiP}_2\text{O}_7$ . Journal of the American Ceramic Society, 2011, 94, 1514-1522.	3.8	46

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73	Elastic moduli of $\text{Ce}_{0.9}\text{Gd}_{0.1}\text{O}_{2-\delta}$ at high temperatures under controlled atmospheres. Solid State Ionics, 2011, 198, 32-38.	2.7	28
74	Elastic modulus and internal friction of SOFC electrolytes at high temperatures under controlled atmospheres. Journal of Power Sources, 2011, 196, 7989-7993.	7.8	65
75	Dependence of property, cathode characteristics, thermodynamic stability, and average and local structures on heat-treatment condition for $\text{LiNi}_{0.5}\text{Mn}_{0.5}\text{O}_2$ as a cathode active material for Li-ion battery. Electrochimica Acta, 2011, 56, 9453-9458.	5.2	10
76	Control of mixed protonic and electronic conductivity by mixing rare-earth ortho-borates. Solid State Ionics, 2011, 192, 275-278.	2.7	4
77	Defects in scandium doped barium zirconate studied by Sc-45 NMR. Solid State Ionics, 2011, 192, 83-87.	2.7	15
78	Nanoprotonics in perovskite-type oxides: Reversible changes in color and ion conductivity due to nanoionics phenomenon in platinum-containing perovskite oxide. Solid State Ionics, 2011, 182, 13-18.	2.7	16
79	Material Stability and Cation Transport of $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.2}\text{Fe}_{0.8}\text{O}_{3-\delta}$ in SOFC Cathodic Conditions. ECS Transactions, 2011, 35, 2249-2253.	0.5	2
80	Mechanical Properties of $\text{Ce}_{0.9}\text{Gd}_{0.1}\text{O}_{2-\delta}$ at High Temperatures under Controlled Atmospheres. ECS Transactions, 2011, 35, 1145-1149.	0.5	3
81	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.	0.5	0
82	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.	7.8	28
83	Electrical conduction and mass transport properties of $\text{SrZr}_{0.99}\text{Fe}_{0.01}\text{O}_{3-\delta}$ . Solid State Ionics, 2010, 181, 868-873.	2.7	3
84	Oxygen Reduction at the Surface and the Hetero-Interface of La-Sr-Co-O-Oxides. ECS Transactions, 2010, 28, 59-70.	0.5	3
85	High Temperature Proton Conductivity of $\text{ZrP}_{2}\text{O}_{7}$ . Journal of the Electrochemical Society, 2010, 157, B1491.	2.9	15
86	SYNTHESIS AND ELECTRICAL CONDUCTIVITY OF TETRA-VALENT CERIUUM POLYPHOSPHATE BULKS. Phosphorus Research Bulletin, 2009, 23, 20-24.	0.6	7
87	High-Temperature Defect and Crystal Structure of Perovskite Type Oxide Ion Conductor $\text{La}_{0.8}\text{Sr}_{0.2}\text{Ga}_{0.8}\text{Mg}_{0.15}\text{Co}_{0.05}\text{O}_{3-\delta}$ . ECS Transactions, 2009, 25, 1701-1708.	0.5	5
88	Hydrogen Permeation Properties in $(\text{Ce,Sr})\text{PO}_4$ . Electrochemical and Solid-State Letters, 2009, 12, B43.	2.2	5
89	Investigation of High Temperature Elastic Modulus and Internal Friction of SOFC Electrolytes Using Resonance Method. ECS Transactions, 2009, 25, 1673-1677.	0.5	8
90	Electrochemical Analysis on Degradation of Ni-GDC Cermet Anode for SOFC. ECS Transactions, 2009, 25, 1939-1944.	0.5	7

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91	Improvement of Li-ion conductivity in A-site disordering lithium-lanthanum-titanate perovskite oxides by adding LiF in synthesis. <i>Journal of Power Sources</i> , 2009, 189, 536-538.	7.8	23
92	Electronic structures of partially fluorinated lithium manganese spinel oxides and their electrochemical properties. <i>Journal of Power Sources</i> , 2009, 189, 599-601.	7.8	11
93	Cathode having high rate performance for a secondary Li-ion cell surface-modified by aluminum oxide nanoparticles. <i>Journal of Power Sources</i> , 2009, 189, 471-475.	7.8	11
94	Anodic electrode reaction of p-type silicon in 1-ethyl-3-methylimidazolium fluorohydrogenate room-temperature ionic liquid. <i>Electrochimica Acta</i> , 2008, 53, 3650-3655.	5.2	17
95	Anomalous transport property at surface and interface of metal/rare earth doped ceria. <i>Solid State Ionics</i> , 2008, 179, 1343-1346.	2.7	9
96	Hydrogen permeability and electrical properties in oxide composites. <i>Solid State Ionics</i> , 2008, 178, 1663-1667.	2.7	26
97	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). <i>Solid State Ionics</i> , 2008, 179, 529-535.	2.7	40
98	Studies on Defect Structures of $(\text{La},\text{Sr})_2\text{NiO}_4$ by Using X-ray Absorption Spectroscopy. <i>ECS Transactions</i> , 2008, 13, 195-200.	0.5	0
99	Proton-Electron Mixed Conduction Properties in $(\text{Ce},\text{Sr})\text{PO}_4$ . <i>ECS Transactions</i> , 2008, 13, 337-345.	0.5	4
100	Electronic and Local Structures of $\text{La}_{1-x}\text{Sr}_x\text{CoO}_{3-\delta}$ Studied by In-Situ Micro XAS Measurements. <i>ECS Transactions</i> , 2008, 13, 161-164.	0.5	3
101	Morphologic and crystallographic studies on electrochemically formed chromium nitride films. <i>Electrochimica Acta</i> , 2007, 53, 122-126.	5.2	1
102	Adsorptive Removal of Endocrine Disrupting Chemicals by Calix[4]crown Oligomer: Significant Improvement of Removal Efficiency by Oligomerization. <i>Chemistry Letters</i> , 2006, 35, 254-255.	1.3	4
103	High temperature protonic conduction in Sr-doped $\text{LaP}_3\text{O}_9$ . <i>Solid State Ionics</i> , 2006, 177, 2407-2411.	2.7	25
104	Adsorptive Removal of Bisphenol A by Calix[4]crown Derivatives: Significant Contribution of Hydrogen Bonding Interaction to the Control of Adsorption Behavior. <i>Chemistry Letters</i> , 2005, 34, 1030-1031.	1.3	11
105	Charge-transfer reaction rate at the $\text{LiMn}_2\text{O}_4$ spinel oxide cathode/polymer electrolyte interface. <i>Solid State Ionics</i> , 2005, 176, 2377-2381.	2.7	12
106	Protonic conduction in acceptor-doped $\text{LaP}_3\text{O}_9$ . <i>Solid State Ionics</i> , 2005, 176, 2867-2870.	2.7	37
107	Electrical conduction in Sr-doped $(\text{La}_{0.99}\text{Ce}_{0.01})\text{PO}_4$ . <i>Solid State Ionics</i> , 2005, 176, 2875-2879.	2.7	6
108	Electrical Conduction Properties of $\text{LaP}_3\text{O}_9$ Glass and Glass-Ceramics. <i>Journal of the American Ceramic Society</i> , 2005, 88, 3211-3214.	3.8	13



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109	High temperature protonic conduction in SrPO <sub>4</sub> /LaPO <sub>4</sub> system. Solid State Ionics, 2005, 176, 143-148.	2.7	24
110	High temperature protonic conduction in LaPO <sub>4</sub> doped with alkaline earth metals. Solid State Ionics, 2005, 176, 135-141.	2.7	51
111	Mechanism of Direct Electrolytic Reduction of Solid SiO <sub>2</sub> to Si in Molten CaCl <sub>2</sub> . Journal of the Electrochemical Society, 2005, 152, D69.	2.9	88
112	Electrical and Mechanical Properties of Sr-Doped LaPO <sub>4</sub> Prepared by Spark Plasma Sintering. Journal of the Electrochemical Society, 2005, 152, A1060.	2.9	16
113	Electrochemical Formation and Phase Control of Pr-Ni Alloys in a Molten LiCl-KCl-PrCl <sub>3</sub> System. Journal of the Electrochemical Society, 2005, 152, C183.	2.9	57
114	Electrical Conduction Properties of Sr-Doped LaPO <sub>4</sub> and CePO <sub>4</sub> under Oxidizing and Reducing Conditions. Journal of the Electrochemical Society, 2005, 152, A658.	2.9	50
115	Hydrogen isotope sensor using high temperature proton conductors. Solid State Ionics, 2004, 175, 491-495.	2.7	12
116	High-Temperature Protonic Conduction in LaP <sub>3</sub> O <sub>9</sub> . Electrochemical and Solid-State Letters, 2004, 7, A511.	2.2	39
117	High Temperature Protonic Conduction in Aragonite-Type NdBO <sub>3</sub> . Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2004, 51, 410-414.	0.2	2
118	Preparation of Proton Conducting Sr-Doped LaPO <sub>4</sub> Ceramics with the Spark Plasma Sintering Method. Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2003, 50, 1071-1078.	0.2	2
119	High Temperature Protonic Conduction in Sr-doped NdPO <sub>4</sub> . Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2002, 49, 856-860.	0.2	5
120	The Synthesis of New Bismuth Basic Nitrate Complex Oxides by the Soft Processing. BiO(NO <sub>3</sub> )-KOH-H <sub>2</sub> O System.. Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2002, 49, 593-599.	0.2	2
121	The Synthesis of New Bismuth Basic Nitrate Complex Oxides by the Soft Processing. (II). .ALPHA.-Bi <sub>2</sub> O <sub>3</sub> -HNO <sub>3</sub> -H <sub>2</sub> O System.. Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2002, 49, 1082-1088.	0.2	0
122	Research of A New Low Temperature Processing Route of Lithium-Manganese Spinel using Reaction in Aqueous Solution.. Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2001, 48, 1139-1144.	0.2	0
123	Synthesis and Characterization of Lithium-Manganese Spinel by Hydrothermal Method in Mixed Lithium-Alkaline Aqueous Solution.. Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2001, 48, 830-835.	0.2	0
124	Protonic conduction and defect structures in Sr-doped LaPO <sub>4</sub> . Solid State Ionics, 2001, 145, 233-240.	2.7	116
125	Protonic Conduction in LaPO <sub>4</sub> -based Ceramics.. Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1999, 46, 207-211.	0.2	0
126	Thermodynamic Properties and Single Electrode Peltier Heats of a Li-Al Alloy in a LiCl-KCl Eutectic Melt. Journal of the Electrochemical Society, 1999, 146, 1069-1074.	2.9	19



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127	Singleâ€Electrode Peltier Heats of Liâ€Si Alloy Electrodes in LiClâ€KCl Eutectic Melt. Journal of the Electrochemical Society, 1998, 145, 1986-1993.	2.9	30
128	Protonic and Native Conduction in Srâ€Substituted LaPO4 Studied by Thermoelectric Power Measurements. Journal of the Electrochemical Society, 1998, 145, 3313-3319.	2.9	77
129	Synthesis of lithium manganese spinel by the hydrothermal method.. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1998, 45, 758-762.	0.2	3
130	The Singleâ€Electrode Peltier Heats of Liâ€Al Alloy Electrodes in LiClâ€%â€%KCl Eutectic System. Journal of the Electrochemical Society, 1994, 141, 3096-3103.	2.9	45