Hideshi Maki

List of Publications by Year
in descending order

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68	550	759233 12	713466 21
papers	citations	h-index	g-index

68	68	68	502
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Corrosion Inhibition for Steel Surface Using a Polyacrylic Gel Sheet Containing Niâ€“Al Layered Double Hydroxide Prepared by Liquid-Phase Deposition. Electrochemistry, 2021, 89, 111-117.	1.4	5
2	Electrical Conductivity of Ceria-Based Oxides/Alkali Carbonate Eutectic Nanocomposites. Journal of the Electrochemical Society, 2021, 168, 046516.	2.9	5
3	Analysis of hydrolysis reaction of aluminum polynuclear complex with Clâ^' and SO42â^' anions by quantitative multinuclear NMR and evaluation of coagulation behavior of model sludge water. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 630, 127623.	4.7	3
4	Stabilized Phase Transition Process of Layered NaxCoO2 via Ca-Substitution. Journal of the Electrochemical Society, 2021, 168, 010509.	2.9	3
5	Quantitative NMR in Analytical Chemistry. Analytical Sciences, 2021, 37, 1485-1486.	1.6	2
6	Separation of halogenated benzenes enabled by investigation of halogenâ€“Ï€ interactions with carbon materials. Chemical Science, 2020, 11, 409-418.	7.4	17
7	Estimation of solid-liquid interfacial potential enabled by quantitative analysis and relaxation observation of quadrupolar NMR. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 604, 125286.	4.7	7
8	An experimental and first-principle investigation of the Ca-substitution effect on P3-type layered Na_xCoO₂. Chemical Communications, 2020, 56, 8107-8110.	4.1	4
9	(Invited) Electrical Conductivity of Ceria-Based Oxide/Alkali Carbonate Eutectics Nanocomposites. ECS Transactions, 2020, 98, 63-71.	0.5	1
10	Variation of Ionic Conductivity of LiClO₄ Solution Coexisting with SiO₂ Nanoparticles in Binary Solvents Induced By Disproportionation. ECS Meeting Abstracts, 2020, MA2020-02, 3520-3520.	0.0	0
11	(Invited) Electrical Conductivity of Ceria-Based Oxide/Alkali Carbonate Eutectics Nanocomposites. ECS Meeting Abstracts, 2020, MA2020-02, 2951-2951.	0.0	0
12	Influence of Immersion of Polyethyleneimine Thin Film Modified with Gold Nanoparticles in [Ru(NH₃)₆]Cl₃ Aqueous Solution on Redox Reaction on AuNPs. Electrochemistry, 2019, 87, 123-133.	1.4	4
13	Quantitative Analysis of Water Activity Related to Hydration Structure in Highly Concentrated Aqueous Electrolyte Solutions. Electrochemistry, 2019, 87, 139-141.	1.4	9
14	Conductivity of LiClO₄/PC-DME Solution Impregnated in LiCoO₂ Powder. Electrochemistry, 2019, 87, 294-296.	1.4	4
15	Solvent molecule mobilities in propylene carbonate-based electrolyte solutions coexisting with fumed oxide nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 562, 270-279.	4.7	8
16	Thermophysical Properties of Binary Amide Anion-Based Ionic Liquids; TMPAFSA_xTFSA_{1â^'}_x. Electrochemistry, 2018, 86, 92-98.	1.4	1
17	Charge transfer resistance reduction by the interlayer distance expansion of Ni-Al layered double hydroxide for nickel-metal hydride battery anode. Electrochimica Acta, 2018, 270, 395-401.	5.2	21
18	Electric Conductivity of Li/Na Binary Molten Carbonate Coexisting with Nanoparticles of CeO2:Sm3+. ECS Transactions, 2018, 86, 101-112.	0.5	0

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19	Degradation Factors and Durability of Large Scale Ni-metal Hydride Batteries. Electrochemistry, 2018, 86, 349-354.	1.4	0
20	Electric Conductivity of Li/Na Binary Molten Carbonate Coexisting with Nanoparttcles of CeO2:Sm3+. ECS Meeting Abstracts, 2018, , .	0.0	0
21	Quantitative NMR of quadrupolar nucleus as a novel analytical method: hydrolysis behaviour analysis of aluminum ion. Analyst, The, 2017, 142, 1790-1799.	3.5	25
22	Dependence of Interlayer Distance on the Charge Transfer Reaction of Ni-Al Layered Double Hydroxides. ECS Transactions, 2017, 75, 11-20.	0.5	2
23	Properties of Concentrated Aqueous Electrolyte Solution in a Vicinal Region of Coexisting Solid Surface. ECS Transactions, 2017, 80, 1459-1470.	0.5	1
24	Dependence of Double Layer Capacitance on Pore Diameter of Carbon Coated Porous Si. ECS Transactions, 2017, 80, 1399-1405.	0.5	0
25	Relationship between Ionic Interaction and NMR Relaxation Behavior in LiClO₄-PC Solution Coexisting with Fumed Metal Oxide. ECS Transactions, 2017, 80, 1381-1389.	0.5	3
26	Removal of Surface Scale from Titanium Metal by Etching with HFâ€“HNO₃ Mixed Acid. Materials Transactions, 2017, 58, 1280-1289.	1.2	4
27	Dependence of Double Layer Capacitance on Pore Diameter of Carbon Coated Porous Si. ECS Meeting Abstracts, 2017, , .	0.0	0
28	Relationship between Ionic Interation and NMR Relaxation Behavior in LiClO4-PC Solution Coexisting with Fumed Metal Oxide. ECS Meeting Abstracts, 2017, , .	0.0	0
29	Properties of Concentrated Aqueous Electrolyte Solution in a Vicinal Region of Coexisting Solid Surface. ECS Meeting Abstracts, 2017, , .	0.0	0
30	Ionic Conduction of Non-Aqueous Lithium Electrolyte Solution through Surface Modified Anodized Alumina Membrane Prepared By LPD Process Using Aqueous-Organic Mixed Solvent. ECS Meeting Abstracts, 2017, , .	0.0	0
31	Fabrication of ZnS/Porous Silicon Composite and Its Enhancement of Photoluminescence. Electrochimica Acta, 2016, 201, 86-95.	5.2	6
32	Electrodeposition of cerium oxide on porous silicon via anodization and enhancement of photoluminescence. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	1
33	Coating Current Collector Surface with Ni–Al Layered Double Hydroxide by Liquid Phase Deposition to Reduce Charge-Transfer Resistance. Electrochemistry, 2015, 83, 803-806.	1.4	4
34	Multinuclear NMR studies on the effect of electrostatic and hydrophobic interactions on bindings to counterions to weakly acidic and basic polyelectrolytes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 471, 1-10.	4.7	7
35	Nickelâ€“Aluminum Layered Double Hydroxide Coating on the Surface of Conductive Substrates by Liquid Phase Deposition. ACS Applied Materials & Interfaces, 2015, 7, 17188-17198.	8.0	13
36	On-site fabrication and chargeâ€“discharge property of TiO2 coated porous silicon electrode by the liquid phase deposition with anodic oxidation. Journal of Fluorine Chemistry, 2015, 174, 62-69.	1.7	4

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37	Transitions from simple electrolyte to polyelectrolyte in a series of polyphosphates. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 484, 153-163.	4.7	3
38	¹⁵N and³¹P NMR Insights into Lactamâ€“Lactim Tautomerism Activity Usingcyclo-Î¼-Imidopolyphosphates. Journal of Physical Chemistry B, 2015, 119, 12289-12298.	2.6	0
39	⁹Be and ³¹P NMR analyses on the influence of imino groups on Be²⁺ complex stabilities of a series of cycloâ€Î¼â€imido triphosphate anions. Magnetic Resonance in Chemistry, 2014, 52, 69-81.	1.9	6
40	Synthesis, protonation equilibrium and peculiar thermal decomposition behavior of cyclo-tri-Î¼-imidotetraphosphate. Dalton Transactions, 2014, 43, 11611-11623.	3.3	3
41	Ionic Equilibria for Synthesis of TiO2Thin Films by the Liquid-Phase Deposition. Journal of Physical Chemistry C, 2014, 118, 11964-11974.	3.1	43
42	Intrinsic 31P NMR Chemical Shifts and the Basicities of Phosphate Groups in a Short-Chain Imino Polyphosphate. Journal of Solution Chemistry, 2013, 42, 1063-1074.	1.2	9
43	Anion-exchange properties of nickelâ€“aluminum layered double hydroxide prepared by liquid phase deposition. Materials Chemistry and Physics, 2013, 141, 445-453.	4.0	16
44	Stabilities of the Divalent Metal Ion Complexes of a Short-Chain Polyphosphate Anion and Its Imino Derivative. Journal of Solution Chemistry, 2013, 42, 2104-2118.	1.2	7
45	3ï¼Žé‡'å±žãƒ•ãƒƒåŒ–ç‰©éŒ¯ä½"å¹³è¡¡ãŠæ¶²ç›¸æžå‡ºæ³•ã«ã‚ˆã‚‹é»»æ°—åŒ–å¦æ€§â„¢ã®å‰µè£½. Electrochemistry, 2013, 81, 70	2.4	
46	Linear Charge Density Dependence of the Polyelectrolyte Phase Volume of Ionic Dextran Sulfate as a Strong Acidic Polyion. Macromolecules, 2011, 44, 5027-5035.	4.8	10
47	Protonation Equilibria and Stepwise Hydrolysis Behavior of a Series of Thiomonophosphate Anions. Journal of Physical Chemistry B, 2011, 115, 3571-3577.	2.6	15
48	9Be and 31P NMR analyses on Be2+ complexation with cyclo-tri-Î¼-imidotriphosphate anions in aqueous solution. Polyhedron, 2011, 30, 903-912.	2.2	13
49	PREPARATION AND REACTIVITY OF CYCLO-HEXAPHOSPHATE COACERVATE. Phosphorus Research Bulletin, 2007, 21, 48-52.	0.6	0
50	CONVENIENT SYNTHESES AND PHYSICAL PROPERTIES OF VARIOUS <I>CYCLO</I>-DECAPHOSPHATES. Phosphorus Research Bulletin, 2005, 19, 194-197.	0.6	0
51	PHOSPHORYLATION OF METHYLAMINE WITH INORGANIC MONOIMIDO-CYCLO-TRIPHOSPHATE. Phosphorus Research Bulletin, 2004, 17, 170-173.	0.6	8
52	Inconsistency in the Stability Constants of Inorganic Polyphosphate Anions Determined by Potentiometry and Spectroscopy. Phosphorus, Sulfur and Silicon and the Related Elements, 2002, 177, 1693-1696.	1.6	0
53	Formation and catalytic characterization of various rare earth phosphates. Journal of Materials Chemistry, 2002, 12, 1754-1760.	6.7	146
54	SYNTHESIS AND SURFACE PROPERTIES OF COPPER AND MAGNESIUM <I>CYCLO</I>-TETRAPHOSPHAIES CONTAINING RARE EARTH ELEMENTS. Phosphorus Research Bulletin, 2001, 12, 139-148.	0.6	20

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55	COMPARISON OF THE COMPLEXATION BEHAVIORS OF TRIPHOSPHATE ANIONS WITH DIIMIDOTRIPHOSPHATE ANIONS. Phosphorus Research Bulletin, 2001, 12, 149-154.	0.6	1
56	A ⁹Be NMR STUDY ON THE COORDINATION STRUCTURES OF Be²⁺ COMPLEXES WITH <I>CYCLO</I>-μ-IMIDOTRIPHOSPHATE ANIONS (I). Phosphorus Research Bulletin, 2001, 12, 155-159.	0.6	0
57	A ⁹Be NMR STUDY ON THE COORDINATION STRUCTURES OF Be²⁺ COMPLEXES WITH <I>CYCLO</I>-μ-IMIDOTRIPHOSPHATE ANIONS (II). Phosphorus Research Bulletin, 2001, 12, 161-166.	0.6	0
58	MECHANOCHEMICAL EFFECTS OF SOME RARE-EARTH ULTRAPHOSPHATES AND REFORMING OF THEIR SURFACE FOR CATALYTIC PROPERTIES. Phosphorus Research Bulletin, 1999, 9, 69-74.	0.6	25
59	MECHANOCHEMICAL EFFECTS ON THE REACTIVITY OF Ni₃(PO₄)₂-(NH₄)₂HPO₄-M₂CO₃ (M: ALKALINE METAL) MIXTURE. Phosphorus Research Bulletin, 1998, 8, 101-106.	0.6	5
60	ACIDIC PROPERTIES AND CATALYTIC ACTIVITIES OF VARIOUS <I>CYCLO</I>-TETRAPHOSPHATES. Phosphorus Research Bulletin, 1998, 8, 119-124.	0.6	8
61	THERMAL BEHAVIOR OF LEAD <I>CYCLO</I>-TRIPHOSPHATE. Phosphorus Research Bulletin, 1998, 8, 113-118.	0.6	1
62	²⁷Al NMR STUDY ON THE COMPLEXATION OF LONG-CHAIN POLYPHOSPHATE ANIONS. Phosphorus Research Bulletin, 1996, 6, 281-284.	0.6	8
63	SYNTHESES AND THERMAL BEHAVIORS OF SOME CATION-MIXED CYCLO-PHOSPHATES. Phosphorus Research Bulletin, 1996, 6, 269-272.	0.6	3
64	²⁷Al NMR STUDY ON MULTIDENTATE COMPLEXATION BEHAVIOR OF <I>CYCLO</I>-TRI-μ-IMIDO TRIPHOSPHATE ANIONS. Phosphorus Research Bulletin, 1996, 6, 9-12.	0.6	6
65	ON THE PROTONATION EQUILIBRIA OF CYCLO-μ-IMIDO-POLYPHOSPHATE ANIONS (II). Phosphorus Research Bulletin, 1995, 5, 155-160.	0.6	6
66	ON THE PROTONATION EQUILIBRIA OF CYCLO-μ-IMIDO-POLYPHOSPHATE ANIONS (I). Phosphorus Research Bulletin, 1995, 5, 149-154.	0.6	7
67	COMPARISON OF THE COMPLEXATION BEHAVIOR OF CYCLO-IMIDO-TRIPHOSPHATE ANIONS WITH CYCLO-TRIPHOSPHATE ANIONS IN AN AQUEOUS SOLUTION. Phosphorus Research Bulletin, 1993, 3, 31-36.	0.6	12
68	Disproportionation Phenomenon at the Silica Interface of Propylene Carbonateâ€“1,2-Dimethoxyethane Binary Solvent Containing Lithium Perchlorate. Journal of Physical Chemistry C, 0, , .	3.1	2