

Hideshi Maki

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6683177/publications.pdf>

Version: 2024-02-01

68
papers

550
citations

758635

12
h-index

713013

21
g-index

68
all docs

68
docs citations

68
times ranked

502
citing authors

#	ARTICLE	IF	CITATIONS
1	Corrosion Inhibition for Steel Surface Using a Polyacrylic Gel Sheet Containing Ni-Al Layered Double Hydroxide Prepared by Liquid-Phase Deposition. <i>Electrochemistry</i> , 2021, 89, 111-117.	0.6	5
2	Electrical Conductivity of Ceria-Based Oxides/Alkali Carbonate Eutectic Nanocomposites. <i>Journal of the Electrochemical Society</i> , 2021, 168, 046516.	1.3	5
3	Analysis of hydrolysis reaction of aluminum polynuclear complex with Cl^- and SO_4^{2-} anions by quantitative multinuclear NMR and evaluation of coagulation behavior of model sludge water. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 630, 127623.	2.3	3
4	Stabilized Phase Transition Process of Layered Na_xCoO_2 via Ca-Substitution. <i>Journal of the Electrochemical Society</i> , 2021, 168, 010509.	1.3	3
5	Quantitative NMR in Analytical Chemistry. <i>Analytical Sciences</i> , 2021, 37, 1485-1486.	0.8	2
6	Separation of halogenated benzenes enabled by investigation of halogen- π interactions with carbon materials. <i>Chemical Science</i> , 2020, 11, 409-418.	3.7	17
7	Estimation of solid-liquid interfacial potential enabled by quantitative analysis and relaxation observation of quadrupolar NMR. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 604, 125286.	2.3	7
8	An experimental and first-principle investigation of the Ca-substitution effect on P3-type layered Na_xCoO_2 . <i>Chemical Communications</i> , 2020, 56, 8107-8110.	2.2	4
9	(Invited) Electrical Conductivity of Ceria-Based Oxide/Alkali Carbonate Eutectics Nanocomposites. <i>ECS Transactions</i> , 2020, 98, 63-71.	0.3	1
10	Variation of Ionic Conductivity of LiClO_4 Solution Coexisting with SiO_2 Nanoparticles in Binary Solvents Induced By Disproportionation. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 3520-3520.	0.0	0
11	(Invited) Electrical Conductivity of Ceria-Based Oxide/Alkali Carbonate Eutectics Nanocomposites. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 2951-2951.	0.0	0
12	Influence of Immersion of Polyethyleneimine Thin Film Modified with Gold Nanoparticles in $[\text{Ru}(\text{NH}_3)_6\text{Cl}_3]$ Aqueous Solution on Redox Reaction on AuNPs. <i>Electrochemistry</i> , 2019, 87, 123-133.	0.6	4
13	Quantitative Analysis of Water Activity Related to Hydration Structure in Highly Concentrated Aqueous Electrolyte Solutions. <i>Electrochemistry</i> , 2019, 87, 139-141.	0.6	9
14	Conductivity of $\text{LiClO}_4/\text{PC-DME}$ Solution Impregnated in LiCoO_2 Powder. <i>Electrochemistry</i> , 2019, 87, 294-296.	0.6	4
15	Solvent molecule mobilities in propylene carbonate-based electrolyte solutions coexisting with fumed oxide nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 562, 270-279.	2.3	8
16	Thermophysical Properties of Binary Amide Anion-Based Ionic Liquids; $\text{TMPAFSA}_x\text{TFSA}_{1-x}$. <i>Electrochemistry</i> , 2018, 86, 92-98.	0.6	1
17	Charge transfer resistance reduction by the interlayer distance expansion of Ni-Al layered double hydroxide for nickel-metal hydride battery anode. <i>Electrochimica Acta</i> , 2018, 270, 395-401.	2.6	21
18	Electric Conductivity of Li/Na Binary Molten Carbonate Coexisting with Nanoparticles of $\text{CeO}_2:\text{Sm}^{3+}$. <i>ECS Transactions</i> , 2018, 86, 101-112.	0.3	0

#	ARTICLE	IF	CITATIONS
19	Degradation Factors and Durability of Large Scale Ni-metal Hydride Batteries. <i>Electrochemistry</i> , 2018, 86, 349-354.	0.6	0
20	Electric Conductivity of Li/Na Binary Molten Carbonate Coexisting with Nanoparticles of CeO ₂ :Sm ³⁺ . <i>ECS Meeting Abstracts</i> , 2018, , .	0.0	0
21	Quantitative NMR of quadrupolar nucleus as a novel analytical method: hydrolysis behaviour analysis of aluminum ion. <i>Analyst</i> , The, 2017, 142, 1790-1799.	1.7	25
22	Dependence of Interlayer Distance on the Charge Transfer Reaction of Ni-Al Layered Double Hydroxides. <i>ECS Transactions</i> , 2017, 75, 11-20.	0.3	2
23	Properties of Concentrated Aqueous Electrolyte Solution in a Vicinal Region of Coexisting Solid Surface. <i>ECS Transactions</i> , 2017, 80, 1459-1470.	0.3	1
24	Dependence of Double Layer Capacitance on Pore Diameter of Carbon Coated Porous Si. <i>ECS Transactions</i> , 2017, 80, 1399-1405.	0.3	0
25	Relationship between Ionic Interaction and NMR Relaxation Behavior in LiClO ₄ -PC Solution Coexisting with Fumed Metal Oxide. <i>ECS Transactions</i> , 2017, 80, 1381-1389.	0.3	3
26	Removal of Surface Scale from Titanium Metal by Etching with HF+HNO ₃ Mixed Acid. <i>Materials Transactions</i> , 2017, 58, 1280-1289.	0.4	4
27	Dependence of Double Layer Capacitance on Pore Diameter of Carbon Coated Porous Si. <i>ECS Meeting Abstracts</i> , 2017, , .	0.0	0
28	Relationship between Ionic Interaction and NMR Relaxation Behavior in LiClO ₄ -PC Solution Coexisting with Fumed Metal Oxide. <i>ECS Meeting Abstracts</i> , 2017, , .	0.0	0
29	Properties of Concentrated Aqueous Electrolyte Solution in a Vicinal Region of Coexisting Solid Surface. <i>ECS Meeting Abstracts</i> , 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. <i>ECS Meeting Abstracts</i> , 2017, , .	0.0	0
31	Fabrication of ZnS/Porous Silicon Composite and Its Enhancement of Photoluminescence. <i>Electrochimica Acta</i> , 2016, 201, 86-95.	2.6	6
32	Electrodeposition of cerium oxide on porous silicon via anodization and enhancement of photoluminescence. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	1
33	Coating Current Collector Surface with Ni–Al Layered Double Hydroxide by Liquid Phase Deposition to Reduce Charge-Transfer Resistance. <i>Electrochemistry</i> , 2015, 83, 803-806.	0.6	4
34	Multinuclear NMR studies on the effect of electrostatic and hydrophobic interactions on bindings to counterions to weakly acidic and basic polyelectrolytes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 471, 1-10.	2.3	7
35	Nickel–Aluminum Layered Double Hydroxide Coating on the Surface of Conductive Substrates by Liquid Phase Deposition. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 17188-17198.	4.0	13
36	On-site fabrication and charge–discharge property of TiO ₂ coated porous silicon electrode by the liquid phase deposition with anodic oxidation. <i>Journal of Fluorine Chemistry</i> , 2015, 174, 62-69.	0.9	4

#	ARTICLE	IF	CITATIONS
55	COMPARISON OF THE COMPLEXATION BEHAVIORS OF TRIPHOSPHATE ANIONS WITH DIIMIDOTRIPHOSPHATE ANIONS. Phosphorus Research Bulletin, 2001, 12, 149-154.	0.1	1
56	A ⁹ Be NMR STUDY ON THE COORDINATION STRUCTURES OF Be ²⁺ COMPLEXES WITH μ -IMIDOTRIPHOSPHATE ANIONS (I). Phosphorus Research Bulletin, 2001, 12, 155-159.	0.1	0
57	A ⁹ Be NMR STUDY ON THE COORDINATION STRUCTURES OF Be ²⁺ COMPLEXES WITH μ -IMIDOTRIPHOSPHATE ANIONS (II). Phosphorus Research Bulletin, 2001, 12, 161-166.	0.1	0
58	MECHANOCHEMICAL EFFECTS OF SOME RARE-EARTH ULTRAPHOSPHATES AND REFORMING OF THEIR SURFACE FOR CATALYTIC PROPERTIES. Phosphorus Research Bulletin, 1999, 9, 69-74.	0.1	25
59	MECHANOCHEMICAL EFFECTS ON THE REACTIVITY OF Ni ₃ (PO ₄) ₂ (NH ₄) ₂ HPO ₄ M ₂ CO ₃ (M: ALKALINE METAL) MIXTURE. Phosphorus Research Bulletin, 1998, 8, 101-106.		
60	ACIDIC PROPERTIES AND CATALYTIC ACTIVITIES OF VARIOUS μ -TETRAPHOSPHATES. Phosphorus Research Bulletin, 1998, 8, 119-124.	0.1	8
61	THERMAL BEHAVIOR OF LEAD μ -TRIPHOSPHATE. Phosphorus Research Bulletin, 1998, 8, 113-118.	0.1	1
62	²⁷ Al NMR STUDY ON THE COMPLEXATION OF LONG-CHAIN POLYPHOSPHATE ANIONS. Phosphorus Research Bulletin, 1996, 6, 281-284.	0.1	8
63	SYNTHESES AND THERMAL BEHAVIORS OF SOME CATION-MIXED CYCLO-PHOSPHATES. Phosphorus Research Bulletin, 1996, 6, 269-272.	0.1	3
64	²⁷ Al NMR STUDY ON MULTIDENTATE COMPLEXATION BEHAVIOR OF μ -CYCLO- μ -TRI- μ -IMIDO TRIPHOSPHATE ANIONS. Phosphorus Research Bulletin, 1996, 6, 9-12.	0.1	6
65	ON THE PROTONATION EQUILIBRIA OF CYCLO- μ -IMIDO-POLYPHOSPHATE ANIONS (II). Phosphorus Research Bulletin, 1995, 5, 155-160.	0.1	6
66	ON THE PROTONATION EQUILIBRIA OF CYCLO- μ -IMIDO-POLYPHOSPHATE ANIONS (I). Phosphorus Research Bulletin, 1995, 5, 149-154.	0.1	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.	0.1	12
68	Disproportionation Phenomenon at the Silica Interface of Propylene Carbonate-1,2-Dimethoxyethane Binary Solvent Containing Lithium Perchlorate. Journal of Physical Chemistry C, 0, , .	1.5	2