

Kiyoshi Kanamura

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

124
papers

3,182
citations

28
h-index

54
g-index

124
ext. papers

3,544
ext. citations

3.9
avg, IF

5.31
L-index

#	Paper	IF	Citations
124	Room Temperature Operation of Magnesium Rechargeable Batteries with a Hydrothermally Treated ZnMnO ₃ Defect Spinel Cathode. <i>Electrochemistry</i> , 2022 , 90, 027005-027005	1.2	1
123	Ionic liquid-containing cathodes empowering ceramic solid electrolytes.. <i>IScience</i> , 2022 , 25, 103896	6.1	0
122	Effects of porosity and ionic liquid impregnation on ionic conductivity of garnet-based flexible sheet electrolytes. <i>Journal of Power Sources</i> , 2022 , 517, 230705	8.9	2
121	Effect of EtOMgCl Salt to Suppress Reductive Decomposition of TFSI ^{&sup>&lt;/sup> Anion in Electrolyte for Magnesium Rechargeable Battery. <i>Electrochemistry</i>, 2022, 90, 037010-037010}	1.2	
120	The Effect of the Solvation Ability Towards Mg ²⁺ -ion on the Kinetic Behavior of Mg ₃ Bi ₂ Electrode. <i>Journal of the Electrochemical Society</i> , 2022 , 169, 030517	3.9	1
119	Lithium-Sulfur Batteries Employing Hybrid-electrolyte Structure with Li ₇ La ₃ Zr ₂ O ₁₂ at Middle Operating Temperature: Effect of Li Salts Concentration on Electrochemical Performance. <i>Electrochemistry</i> , 2021 , 89, 197-203	1.2	2
118	Revealing the Origin of Highly Efficient Polysulfide Anchoring and Transformation on Anion-Substituted Vanadium Nitride Host. <i>Advanced Functional Materials</i> , 2021 , 31, 2008034	15.6	19
117	Structure Design of Long-Life Spinel-Oxide Cathode Materials for Magnesium Rechargeable Batteries. <i>Advanced Materials</i> , 2021 , 33, e2007539	24	18
116	The crystal structure and electrical/thermal transport properties of Li _{1-x} Sn _{2+x} P ₂ and its performance as a Li-ion battery anode material. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 7034-7041	13	5
115	Effect of Li ions doping into p-type semiconductor NiO as a hole injection/transfer medium in the CO ₂ reduction sensitized/catalyzed by Zn-porphyrin/Re-complex upon visible light irradiation. <i>Research on Chemical Intermediates</i> , 2021 , 47, 269-285	2.8	2
114	Low-Refractive-Index Deep-Ultraviolet Transparent Poly(fluoroalkyl--methylsilsesquioxane) Resins Synthesized by Cosolvent-Free Hydrolytic Polycondensation of Organotrimethoxysilanes. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 8238-8242	3.4	
113	Rechargeable Lithium Metal Battery 2021 , 17-35		1
112	The Effect of the Coordination Ability on the Mg Plating/Stripping Behavior in Mg(N(CF ₃ SO ₂) ₂) ₂ /Glyme Based Electrolytes. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 120528	3.9	1
111	Effect of Interaction among Magnesium Ions, Anion, and Solvent on Kinetics of the Magnesium Deposition Process. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 28510-28519	3.8	7
110	Determining Factor on the Polarization Behavior of Magnesium Deposition for Magnesium Battery Anode. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 25775-25785	9.5	18
109	Hybrid Effect of Micropatterned Lithium Metal and Three Dimensionally Ordered Macroporous Polyimide Separator on the Cycle Performance of Lithium Metal Batteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 3721-3727	6.1	10
108	Carbon Coating for Improvements of Electrochemical Properties of Li _{1.1} V _{0.9} O ₂ Anode Active Materials for Li Secondary Batteries. <i>Electrochemistry</i> , 2020 , 88, 22-27	1.2	

107	Ceramic-Based Flexible Sheet Electrolyte for Li Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 10382-10388	9.5	22
106	Cosolvent-free sol-gel dip-coating of silica films from tetraalkoxysilane/water binary systems: precursor solutions of long pot life and their characterization by nuclear magnetic resonance spectroscopy. <i>Journal of the Ceramic Society of Japan</i> , 2020 , 128, 772-782	1	2
105	Electrochemical Evaluation of Lithium-Metal Anode in Highly Concentrated Ethylene Carbonate Based Electrolytes. <i>Electrochemistry</i> , 2020 , 88, 540-547	1.2	5
104	Cosolvent-free synthesis and characterisation of poly(phenyl-co-n-alkylsilsesquioxane) and poly(phenyl-co-vinylsilsesquioxane) glasses with low melting temperatures. <i>Dalton Transactions</i> , 2020 , 49, 2487-2495	4.3	1
103	3D Structural Transition of the Electrodeposited and Electrochemically Dissolved Li Metal onto an Ultramicroelectrode. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 22019-22024	3.8	4
102	Evaluation on hybrid electrolyte structure using the liquid electrolyte interlayer containing LiBH ₄ at Li ₇ La ₃ Zr ₂ O ₁₂ Li interface at high operating temperature. <i>Journal of Power Sources</i> , 2020 , 478, 22875-22881	8.9	1
101	Twinning by Merohedry and Thermal Expansion of Zeolitic Clathrasil Deca-dodecasil 3R. <i>Inorganic Chemistry</i> , 2020 , 59, 5600-5609	5.1	
100	Long-Term Stable Lithium Metal Anode in Highly Concentrated Sulfolane-Based Electrolytes with Ultrafine Porous Polyimide Separator. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 25833-25843	9.5	37
99	Three Dimensionally Ordered Macroporous Polybenzimidazole Separator for Li Metal Battery. <i>Chemistry Letters</i> , 2019 , 48, 429-432	1.7	3
98	Computational investigation of the Mg-ion conductivity and phase stability of MgZr(PO) ₄ . <i>RSC Advances</i> , 2019 , 9, 12590-12595	3.7	13
97	High-Performance Lithium Metal Rechargeable Battery Using an Ultrafine Porous Polyimide Separator with Three-Dimensionally Ordered Macroporous Structure. <i>ACS Applied Energy Materials</i> , 2019 , 2, 3896-3903	6.1	13
96	Modifications in coordination structure of Mg[TFSA]-based supporting salts for high-voltage magnesium rechargeable batteries. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 12100-12111	3.6	32
95	Phosphoric Acid Diethylmethylammonium Trifluoromethanesulfonate-Based Electrolytes for Nonhumidified Intermediate Temperature Fuel Cells. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 13761-13767	9.5	4
94	Effect of Pore Size in Three Dimensionally Ordered Macroporous Polyimide Separator on Lithium Deposition/Dissolution Behavior. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A754-A761	3.9	17
93	Zinc-based spinel cathode materials for magnesium rechargeable batteries: toward the reversible spinel/rocksalt transition. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 12225-12235	13	36
92	Surface State Change of Lithium Metal Anode in Full Cell during Long Term Cycles. <i>Electrochemistry</i> , 2019 , 87, 84-88	1.2	11
91	Highly Durable Non-Platinum Catalyst for Protic Ionic Liquid Based Intermediate Temperature PEFCs. <i>Electrochemistry</i> , 2019 , 87, 35-46	1.2	4
90	Deterioration Analysis of Lithium Metal Anode in Full Cell during Long-Term Cycles. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A2618-A2628	3.9	11

89	Magnesium Storage Performance and Mechanism of 2D-Ultrathin Nanosheet-Assembled Spinel MgIn S Cathode for High-Temperature Mg Batteries. <i>Small</i> , 2019 , 15, e1902236	11	7
88	Magnesium Batteries: Magnesium Storage Performance and Mechanism of 2D-Ultrathin Nanosheet-Assembled Spinel MgIn ₂ S ₄ Cathode for High-Temperature Mg Batteries (Small 36/2019). <i>Small</i> , 2019 , 15, 1970191	11	
87	Current Status, Problems, Future Technology for Rechargeable Batteries. <i>Nippon Gomu Kyokaishi</i> , 2019 , 92, 405-409	0	
86	Scanning electrochemical cell microscopy for visualization and local electrochemical activities of lithium-ion (de) intercalation process in lithium-ion batteries electrodes. <i>Surface and Interface Analysis</i> , 2019 , 51, 27-30	1.5	10
85	Structure, Microscopic Ordering, and Viscous Properties of Amorphous Poly(n-alkylsilsesquioxane) Liquids and Solids Synthesized by Cosolvent-Free Hydrolytic Polycondensation of n-Alkyltrimethoxysilanes. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019 , 216, 1800475	1.6	2
84	The Effect of Cyclic Ethers on Mg Plating/Stripping Reaction in Ionic Liquid Electrolytes. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A5054-A5058	3.9	7
83	Preparation of Biodegradable Polymer Nanospheres Containing Manganese Porphyrin (Mn-Porphyrin). <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019 , 29, 1010-1018	3.2	1
82	Recent progress for all solid state battery using sulfide and oxide solid electrolytes. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 103001	3	43
81	Electrodeposition of Zn from 1-allyl-3-methylimidazolium bromide containing ZnBr ₂ . <i>Journal of Electroanalytical Chemistry</i> , 2019 , 832, 467-474	4.1	6
80	Seed-free hydrothermal synthesis of all-silica deca-dodecasil 3R with essential reagents. <i>Journal of the Ceramic Society of Japan</i> , 2018 , 126, 221-229	1	3
79	Hydrothermal synthesis and catalytic activity of PtRh/CeO ₂ /Al ₂ O ₃ three-way catalysts for automotive exhaust gas. <i>Journal of the Ceramic Society of Japan</i> , 2018 , 126, 394-401	1	4
78	Enhanced Energy Density of Li ₂ MnSiO ₄ /C Cathode Materials for Lithium-ion Batteries through Mn/Co Substitution. <i>Electrochemistry</i> , 2018 , 86, 324-332	1.2	3
77	Investigation of Carbon-coating Effect on the Electrochemical Performance of LiCoPO ₄ Single Particle. <i>Electrochemistry</i> , 2018 , 86, 145-151	1.2	5
76	A key concept of utilization of both non-Grignard magnesium chloride and imide salts for rechargeable Mg battery electrolytes. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 3152-3156	13	31
75	Enhanced Electrochemical Performance of LiMn _{0.75} Fe _{0.25} PO ₄ Nanoplates from Multiple Interface Modification by Using Fluorine-Doped Carbon Coating. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 4637-4644	8.3	22
74	Effect of Gold Layer on Interface Resistance between Lithium Metal Anode and Li _{6.25} Al _{0.25} La ₃ Zr ₂ O ₁₂ Solid Electrolyte. <i>Journal of the Electrochemical Society</i> , 2017 , 164, A1022-A1025	3.9	53
73	Li ₄ B ₄ M ₃ O ₁₂ Cl (M= Al, Ga): An Electrochemically Stable, Lithium-Ion-Conducting Cubic Boracite with Substituted Boron Sites. <i>Bulletin of the Chemical Society of Japan</i> , 2017 , 90, 1279-1286	5.1	6
72	Thermal Stability of Various Cathode Materials against Li _{6.25} Al _{0.25} La ₃ Zr ₂ O ₁₂ Electrolyte. <i>Electrochemistry</i> , 2017 , 85, 77-81	1.2	27

71	Synthesis and characterization of lithium-ion-conductive glass-ceramics of lithium chloroborate $\text{Li}_4\text{xB}_7\text{O}_{12+\text{x}/2}\text{Cl}$ ($\text{x} = 0\text{--}1$). <i>Journal of the Ceramic Society of Japan</i> , 2017 , 125, 348-352	1	7
70	Intrinsic Electrochemical Characteristics in the Individual Needle-like LiCoO_2 Crystals Synthesized by Flux Growth. <i>Electrochemistry</i> , 2017 , 85, 72-76	1.2	6
69	Poly(n-alkylsilsesquioxane) liquids prepared by cosolvent-free hydrolytic polycondensation of n-alkyltrialkoxysilanes: effects of liquid-liquid phase separation during aging and alkyl chain length on structure and viscosity. <i>Dalton Transactions</i> , 2016 , 45, 15532-15540	4.3	4
68	Good Low-Temperature Properties of Nitrogen-Enriched Porous Carbon as Sulfur Hosts for High-Performance Li-S Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 17253-9	9.5	38
67	Characterization and Optimization of Silicon Nanoparticle Anodes. <i>Electrochemistry</i> , 2016 , 84, 243-253	1.2	2
66	Electrochemical Evaluation of Active Materials for Lithium Ion Batteries by One (Single) Particle Measurement. <i>Electrochemistry</i> , 2016 , 84, 759-765	1.2	19
65	The Effect of the Cyclic Ether Additives to the Ethereal Electrolyte Solutions for Mg Secondary Battery. <i>Electrochemistry</i> , 2016 , 84, 76-78	1.2	9
64	Enhanced electrochemical performance from cross-linked polymeric network as binder for LiB battery cathodes. <i>Journal of Applied Electrochemistry</i> , 2016 , 46, 725-733	2.6	25
63	Deep-ultraviolet transparent monolithic sol-gel derived silica REPO_4 ($\text{RE} = \text{Y, La}$ except Pm) glass-ceramics: characterization of the crystal structure and ultraviolet absorption edge, and application to narrow-band UVB phosphors. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 9894-9901	7.1	14
62	Hydrothermal Synthesis and Electrochemical Properties of $\text{Li}_2\text{FexMnxCo}_{1-\text{x}}\text{SiO}_4/\text{C}$ Cathode Materials for Lithium-ion Batteries. <i>Electrochemistry</i> , 2015 , 83, 413-420	1.2	7
61	Mechanical Milling Synthesis and Electrochemical Evaluation of Silicon-transition Metal Alloy Anode Materials for Lithium-ion Batteries. <i>Electrochemistry</i> , 2015 , 83, 445-451	1.2	4
60	Highly transparent, bright green, sol-gel-derived monolithic silica-(Tb,Ce) PO_4 glass-ceramic phosphors. <i>RSC Advances</i> , 2014 , 4, 26692-26696	3.7	8
59	Solubility and Diffusion Coefficient of Oxygen in Protic Ionic Liquids with Different Fluoroalkyl Chain Lengths. <i>Electrochimica Acta</i> , 2014 , 132, 208-213	6.7	15
58	Studies of Tin Alloy Electrode Materials Prepared by Mechanical Alloying. <i>Electrochemistry</i> , 2014 , 82, 467-473	1.2	3
57	Cosolvent-Free Sol-gel Synthesis and Optical Characterization of Silica Glasses Containing LaF_3 and $(\text{La,Er})\text{F}_3$ Nanocrystals. <i>Bulletin of the Chemical Society of Japan</i> , 2014 , 87, 765-772	5.1	3
56	Thiol-Containing Polysilsesquioxane Liquid and Photocurable Sulfur-Containing Transparent Organic-Inorganic Hybrid Monoliths Obtained via Cosolvent-Free Hydrolytic Polycondensation. <i>Bulletin of the Chemical Society of Japan</i> , 2013 , 86, 880-883	5.1	5
55	Hydrothermal Synthesis of Manganese Dioxide Nanoparticles as Cathode Material for Rechargeable Batteries. <i>Electrochemistry</i> , 2013 , 81, 2-6	1.2	8
54	Cosolvent-free sol-gel synthesis of rare-earth and aluminum codoped monolithic silica glasses. <i>Journal of the Ceramic Society of Japan</i> , 2013 , 121, 299-302	1	9

53	PHOSPHATE MATERIALS FOR RECHARGEABLE BATTERY APPLICATIONS. <i>Phosphorus Research Bulletin</i> , 2013 , 28, 30-36	0.3	2
52	Synthesis of monolithic deep-ultraviolet-transparent polysilsesquioxane glasses from organotrimethoxysilane/water binary system. <i>RSC Advances</i> , 2012 , 2, 8946	3.7	6
51	PREPARATION OF $\text{Li}_{1.5}\text{Al}_{0.5}\text{Ge}_{1.5}(\text{PO}_4)_3$ SOLID ELECTROLYTE BY SOL-GEL METHOD. <i>Phosphorus Research Bulletin</i> , 2011 , 25, 61-63	0.3	8
50	Fabrication of $\text{Li}_{0.35}\text{La}_{0.55}\text{TiO}_3$ solid electrolyte with two-layered structure for all-solid-state Li battery by a colloidal crystal templating method. <i>Journal of the Ceramic Society of Japan</i> , 2011 , 119, 189-193	1.93	1
49	Electrochemical Property of Honeycomb Type All-Solid-State Li Battery at High Temperature. <i>Electrochemistry</i> , 2011 , 79, 464-466	1.2	3
48	Improved Performance of Hydrothermally Synthesized LiMnPO_4 by Mg Doping. <i>Electrochemistry</i> , 2011 , 79, 467-469	1.2	8
47	Electrochemical Properties of Three Dimensionally Ordered Composite Electrode Between TiO_2 and $\text{Li}_{1.5}\text{Al}_{0.5}\text{Ti}_{1.5}(\text{PO}_4)_3$. <i>Electrochemistry</i> , 2011 , 79, 865-868	1.2	1
46	Sol-gel synthesis of fluorine-doped silica glasses with low SiOH concentrations. <i>Journal of the Ceramic Society of Japan</i> , 2011 , 119, 393-396	1	10
45	Fabrication of all-solid-state lithium battery with lithium metal anode using Al_2O_3 -added $\text{Li}_7\text{La}_3\text{Zr}_2\text{O}_{12}$ solid electrolyte. <i>Journal of Power Sources</i> , 2011 , 196, 7750-7754	8.9	261
44	ELECTROCHEMICAL PROPERTIES OF HYDROTHERMALLY SYNTHESIZED LiCoPO_4 AS A HIGH VOLTAGE CATHODE MATERIAL FOR LITHIUM SECONDARY BATTERY. <i>Phosphorus Research Bulletin</i> , 2010 , 24, 12-15	0.3	12
43	Fabrication of Electrode With 3 Dimensionally Ordered Structure for All-Solid-State Battery. <i>Materials Research Society Symposia Proceedings</i> , 2010 , 1266, 10601		
42	Fabrication of Three-Dimensional Battery Using Ceramic Electrolyte with Honeycomb Structure by Sol-gel Process. <i>Journal of the Electrochemical Society</i> , 2010 , 157, A493	3.9	76
41	Compatibility of $\text{Li}_{7}\text{La}_{3}\text{Zr}_{2}\text{O}_{12}$ Solid Electrolyte to All-Solid-State Battery Using Li Metal Anode. <i>Journal of the Electrochemical Society</i> , 2010 , 157, A1076	3.9	280
40	Fabrication of Lithium-ion Microarray Battery by Electrophoresis. <i>Electrochemistry</i> , 2010 , 78, 273-275	1.2	4
39	High-Rate Lithium Deintercalation from Lithiated Graphite Single-Particle Electrode. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 8646-8650	3.8	61
38	NANOCOMPOSITE ELECTRODES CONSISTING OF 3DOM CARBON WITH BIMODAL POROUS STRUCTURE AND CONDUCTING POLYMERS FOR ELECTROCHEMICAL CAPACITORS. <i>Functional Materials Letters</i> , 2009 , 02, 19-22	1.2	2
37	Controlled Crystallization of Calcite Under Surface Electric Field Due to Polarized Hydroxyapatite Ceramics. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 1586-1591	3.8	14
36	Electrochemical Characteristics of Porous Electrode Consisting of Spherical LiMn_2O_4 Particles. <i>Electrochemistry</i> , 2009 , 77, 309-314	1.2	1

35	Effect of carbon source on electrochemical performance of carbon coated LiMnPO ₄ cathode. <i>Journal of the Ceramic Society of Japan</i> , 2009 , 117, 1225-1228	1	31
34	Preparation of three dimensionally ordered macroporous carbon with mesoporous walls for electric double-layer capacitors. <i>Journal of Materials Chemistry</i> , 2008 , 18, 1674		139
33	Hydrothermal synthesis of LiFePO ₄ as a cathode material for lithium batteries. <i>Journal of Materials Science</i> , 2008 , 43, 2138-2142	4.3	49
32	Three-dimensionally ordered composite electrode between LiMn ₂ O ₄ and Li _{1.5} Al _{0.5} Ti _{1.5} (PO ₄) ₃ . <i>Ionics</i> , 2008 , 14, 173-177	2.7	26
31	Three-dimensionally ordered macroporous polyimide composite membrane with controlled pore size for direct methanol fuel cells. <i>Journal of Power Sources</i> , 2008 , 178, 596-602	8.9	44
30	Particle morphology, crystal orientation, and electrochemical reactivity of LiFePO ₄ synthesized by the hydrothermal method at 443 K. <i>Journal of Materials Chemistry</i> , 2007 , 17, 4803		211
29	Creation and Optical Property of Microphotonic Crystals by Electrophoretic Deposition Method Using Micro-counter Electrode. <i>Materials Research Society Symposia Proceedings</i> , 2003 , 797, 111		
28	Preparation of Li ₄ Ti ₅ O ₁₂ Thin Film Electrode with PVP Sol-Gel for a Rechargeable Lithium Microbattery. <i>Hyomen Kagaku</i> , 2003 , 24, 423-428		4
27	FABRICATION AND IN VITRO CHARACTERIZATION OF POROUS BIOACTIVE CERAMICS WITH HIGHLY CONTROLLED MICROSTRUCTURE. <i>Phosphorus Research Bulletin</i> , 2002 , 13, 147-152	0.3	2
26	Recovery of Phosphate from Steel Manufacture Slag by Sulfuric Acid Treatment. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2002 , 177, 1507-1511	1	1
25	Preparation of Organic-Inorganic Composite Electrolyte Membrane for Direct Methanol Fuel Cell. <i>Electrochemistry</i> , 2002 , 70, 934-936	1.2	5
24	Fabrication of Membrane Electrode Assembly for Micro Fuel Cell by Using Electrophoretic Deposition Process. <i>Electrochemistry</i> , 2002 , 70, 937-939	1.2	3
23	Continuous production of LiCoO ₂ fine crystals for lithium batteries by hydrothermal synthesis under supercritical condition. <i>High Pressure Research</i> , 2001 , 20, 373-384	1.6	32
22	The 199 Joint International Meeting (196th Meeting of the Electrochemical Society, 1999 Fall Meeting of the Electrochemical Society of Japan). <i>Hyomen Kagaku</i> , 2000 , 21, 382-382		
21	Surface Condition Changes in Lithium Metal Deposited in Nonaqueous Electrolyte Containing HF by Dissolution-Deposition Cycles. <i>Journal of the Electrochemical Society</i> , 1999 , 146, 1633-1639	3.9	144
20	PREPARATION AND IN VITRO TEST OF APATITE FILMS ONTO TITANIUM BY SPUTTERING FROM CALCIUM PHOSPHATE POWDER TARGETS. <i>Phosphorus Research Bulletin</i> , 1999 , 10, 370-374	0.3	
19	COATING OF CaO-SiO ₂ AMORPHOUS POWDER WITH CALCIUM PHOSPHATE. <i>Phosphorus Research Bulletin</i> , 1999 , 10, 313-316	0.3	
18	Preparation and Electrochemical Characterization of LiCoO ₂ Single Crystal Particles prepared by Super Critical Water Synthesis (SCWS). <i>Materials Research Society Symposia Proceedings</i> , 1999 , 575, 59		1

17	Quartz Crystal Microbalance Study for Lithium Deposition and Dissolution in Nonaqueous Electrolyte with HF. <i>Electrochemistry</i> , 1999 , 67, 1264-1267	1.2	3
16	Chemical Reaction of Lithium Surface during Immersion in LiClO ₄ or LiPF ₆ / DEC Electrolyte. <i>Journal of the Electrochemical Society</i> , 1997 , 144, 1900-1906	3.9	91
15	Study of the Surface Composition of Highly Smooth Lithium Deposited in Various Carbonate Electrolytes Containing HF. <i>Langmuir</i> , 1997 , 13, 3542-3549	4	85
14	Artificial Control of Interfaces in Rechargeable Lithium Batteries.. <i>Hyomen Kagaku</i> , 1997 , 18, 309-318		
13	Electrochemical Deposition of Very Smooth Lithium Using Nonaqueous Electrolytes Containing HF. <i>Journal of the Electrochemical Society</i> , 1996 , 143, 2187-2197	3.9	190
12	Electrochemical Oxidation Processes on Ni Electrodes in Propylene Carbonate Containing Various Electrolyte Salts. <i>Journal of the Electrochemical Society</i> , 1996 , 143, 2548-2558	3.9	37
11	Application of FeOCl Derivatives for a Secondary Lithium Battery: III . Electrochemical Reaction and Physical State of Reaction Product of with Aniline in Water. <i>Journal of the Electrochemical Society</i> , 1995 , 142, 2126-2131	3.9	4
10	Studies on Electrochemical Oxidation of Nonaqueous Electrolytes Using In Situ FTIR Spectroscopy: I . The Effect of Type of Electrode on On-Set Potential for Electrochemical Oxidation of Propylene Carbonate Containing 1.0 mol dm ³ . <i>Journal of the Electrochemical Society</i> , 1995 , 142, 1383-1389	3.9	64
9	XPS Analysis of Lithium Surfaces Following Immersion in Various Solvents Containing LiBF ₄ . <i>Journal of the Electrochemical Society</i> , 1995 , 142, 340-347	3.9	200
8	Effects of the Solvent for the Electropolymerization of Aniline on Discharge and Charge Characteristics of Polyaniline. <i>Journal of the Electrochemical Society</i> , 1995 , 142, 3309-3313	3.9	21
7	Electrochemical Deposition of Uniform Lithium on an Ni Substrate in a Nonaqueous Electrolyte. <i>Journal of the Electrochemical Society</i> , 1994 , 141, L108-L110	3.9	88
6	X-Ray Photoelectron Spectroscopic Analysis and Scanning Electron Microscopic Observation of the Lithium Surface Immersed in Nonaqueous Solvents. <i>Journal of the Electrochemical Society</i> , 1994 , 141, 2379-2385	3.9	106
5	Discharge and Charge Characteristics of Polyaniline Prepared by Electropolymerization of Aniline in Nonaqueous Solvent. <i>Journal of the Electrochemical Society</i> , 1993 , 140, 629-633	3.9	35
4	Microscopic Reaction Site Model for Cathodic Reduction of Lead Sulfate to Lead. <i>Journal of the Electrochemical Society</i> , 1992 , 139, 345-351	3.9	10
3	Synthesis of MoS ₂ Thin Film by Chemical Vapor Deposition Method and Discharge Characteristics as a Cathode of the Lithium Secondary Battery. <i>Journal of the Electrochemical Society</i> , 1992 , 139, 2082-2087	3.9	68
2	Dependence of Entropy Change of Single Electrodes on Partial Pressure in Solid Oxide Fuel Cells. <i>Journal of the Electrochemical Society</i> , 1991 , 138, 2165-2167	3.9	20
1	Creation of Triple-Phase-Boundary in a Solid Oxide Fuel Cell Using a Three-Dimensionally Ordered Structure. <i>Ceramic Transactions</i> , 243-248	0.1	