

Minoru Inaba

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.

227
papers

10,870
citations

49
h-index

100
g-index

247
ext. papers

11,621
ext. citations

4.2
avg, IF

5.73
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 227 | Perfluorinated Ionomer as an Artificial SEI for Silicon Nano-Flake Anode in LiTFSI/Tetra glyme Solvate Ionic Liquid. <i>Journal of the Electrochemical Society</i> , 2022 , 169, 020519 | 3.9 | 0 |
| 226 | Non-Flammable and Highly Concentrated Carbonate Ester-Free Electrolyte Solutions for 5 V-Class Positive Electrodes in Lithium-Ion Batteries. <i>ChemSusChem</i> , 2021 , 14, 2445-2451 | 8.3 | 3 |
| 225 | Improved stability of highly concentrated LiBF ₄ /fluorinated ethyl acetate-based electrolyte solutions with a co-solvent for LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ positive electrodes in lithium ion batteries. <i>Journal of Applied Electrochemistry</i> , 2021 , 51, 1535 | 2.6 | 0 |
| 224 | Physicochemical Features of Fluorinated Ethyl Acetate-Based Highly Concentrated Electrolyte Solutions and Their Effects on Electrochemical Properties of LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ Positive Electrodes. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 12578-12584 | 3.8 | 3 |
| 223 | Silicon Leaf Powder Anode 2021 , 323-332 | | |
| 222 | Operando X-ray Absorption Spectroscopic Study on the Effect of Ionic Liquid Coverage upon the Oxygen Reduction Reaction Activity of Pd-core Pt-shell Catalysts. <i>Electrochemistry</i> , 2021 , 89, 31-35 | 1.2 | 1 |
| 221 | Quantitative Analysis of Solid Electrolyte Interphase and Its Correlation with The Electrochemical Performance of Lithium Ion Batteries Using Concentrated LiPF ₆ /propylene Carbonate. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 020530 | 3.9 | 6 |
| 220 | Lithium-ion battery performance enhanced by the combination of Si thin flake anodes and binary ionic liquid systems. <i>Materials Advances</i> , 2020 , 1, 625-631 | 3.3 | 9 |
| 219 | Electrochemical Properties and Single Cell Performance of Pd Core-Pt Shell Structured Catalyst Synthesized by a Simple Direct Displacement Reaction. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 044513 | 3.9 | 7 |
| 218 | Dilution Effects of Highly Concentrated LiBF ₄ /DMC with Fluorinated Esters on Charge/Discharge Properties of Ni-rich LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ Positive Electrode. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 040508 | 3.9 | |
| 217 | Development of Highly Active and Durable Pt Core-Shell Structured Catalyst for Polymer Electrolyte Fuel Cells. <i>Materia Japan</i> , 2020 , 59, 372-378 | 0.1 | |
| 216 | Recent Progress and Material Development in Electrolyte Solutions of Lithium-ion Batteries for EV Application. <i>Journal of the Japan Society of Colour Material</i> , 2020 , 93, 54-58 | 0 | |
| 215 | Reviving Galvanic Cells To Synthesize Core-Shell Nanoparticles with a Quasi-Monolayer Pt Shell for Electrocatalytic Oxygen Reduction. <i>ACS Catalysis</i> , 2020 , 10, 430-434 | 13.1 | 7 |
| 214 | Creation of a Highly Active Pt/Pd/C Core-Shell-Structured Catalyst by Synergistic Combination of Intrinsically High Activity and Surface Decoration with Melamine or Tetra-(tert-butyl)-tetraazaporphyrin. <i>ACS Catalysis</i> , 2020 , 10, 14567-14580 | 13.1 | 11 |
| 213 | Hard X-ray Photoelectron Spectroscopy Analysis of Surface Chemistry of Spray Pyrolyzed LiNi _{0.5} Co _{0.2} Mn _{0.3} O ₂ Positive Electrode Coated with Lithium Boron Oxide. <i>Electrochemistry</i> , 2019 , 87, 357-364 | 1.2 | 2 |
| 212 | Effect of Lithium Silicate Addition on the Microstructure and Crack Formation of LiNiCoMnO Cathode Particles. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 39910-39920 | 9.5 | 16 |
| 211 | Oxygen-Content Dependence of Cycle Performance and Morphology Changes in Amorphous-SiO _x Thin-Film Negative Electrodes for Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A258-A263 | 3.9 | 10 |

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|-----|---|-----|----|
| 210 | Communication Enhancement of Structural Stability of LiNi _{0.5} Co _{0.2} Mn _{0.3} O ₂ Cathode Particles against High-Voltage Cycling by Lithium Silicate Addition. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A941-A943 | 3.9 | 3 |
| 209 | Improvement of Cycleability and Rate-Capability of LiNi _{0.5} Co _{0.2} Mn _{0.3} O ₂ Cathode Materials Coated with Lithium Boron Oxide by an Antisolvent Precipitation Method. <i>ChemistrySelect</i> , 2019 , 4, 8676-8681 | 1.8 | 10 |
| 208 | Extension of Anodic Potential Window of Ester-Based Electrolyte Solutions for High-Voltage Lithium Ion Batteries. <i>ACS Applied Energy Materials</i> , 2019 , 2, 7728-7732 | 6.1 | 4 |
| 207 | Dilution Effects of Highly Concentrated Dimethyl Carbonate-Based Electrolytes with a Hydrofluoroether on Charge/Discharge Properties of LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ Positive Electrode. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A4005-A4013 | 3.9 | 5 |
| 206 | Improved Cycle Performance of LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ Positive Electrode Material in Highly Concentrated LiBF ₄ /DMC. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A82-A88 | 3.9 | 33 |
| 205 | Fluoroalkyl ether-diluted dimethyl carbonate-based electrolyte solutions for high-voltage operation of LiNi _{0.5} Co _{0.2} Mn _{0.3} O ₂ electrodes in lithium ion batteries. <i>Sustainable Energy and Fuels</i> , 2018 , 2, 1197-1205 | 5.8 | 14 |
| 204 | Morphology changes and long-term cycling durability of Si flake powder negative electrode for lithium-ion batteries. <i>Electrochimica Acta</i> , 2018 , 267, 94-101 | 6.7 | 16 |
| 203 | Solvation-controlled ester-based concentrated electrolyte solutions for high-voltage lithium-ion batteries. <i>Current Opinion in Electrochemistry</i> , 2018 , 9, 49-55 | 7.2 | 13 |
| 202 | Enhancement of anode activity and stability by Cr addition at Ni/Sm-doped CeO ₂ cermet anodes in NH ₃ -fueled solid oxide fuel cells. <i>Solid State Ionics</i> , 2018 , 319, 180-185 | 3.3 | 10 |
| 201 | Pre-Film Formation and Cycle Performance of Silicon-Flake-Powder Negative Electrode in a Solvate Ionic Liquid for Silicon-Sulfur Rechargeable Batteries. <i>Journal of the Electrochemical Society</i> , 2018 , 165, A1874-A1879 | 3.9 | 4 |
| 200 | Enhancement of Oxygen Reduction Reaction Activity of Pd Core-Pt Shell Structured Catalyst on a Potential Cycling Accelerated Durability Test. <i>Electrocatalysis</i> , 2018 , 9, 125-138 | 2.7 | 12 |
| 199 | Influence of lithium silicate coating on retarding crack formation in LiNi _{0.5} Co _{0.2} Mn _{0.3} O ₂ cathode particles. <i>Electrochimica Acta</i> , 2018 , 291, 304-310 | 6.7 | 15 |
| 198 | Artificial lithium fluoride surface coating on silicon negative electrodes for the inhibition of electrolyte decomposition in lithium-ion batteries: visualization of a solid electrolyte interphase using in situ AFM. <i>Nanoscale</i> , 2018 , 10, 17257-17264 | 7.7 | 24 |
| 197 | Durability Improvement of Pd Core-Pt Shell Structured Catalyst by Porous SiO ₂ Coating. <i>Journal of the Electrochemical Society</i> , 2018 , 165, F737-F747 | 3.9 | 5 |
| 196 | Dilution of Highly Concentrated LiBF ₄ /Propylene Carbonate Electrolyte Solution with Fluoroalkyl Ethers for 5-V LiNi _{0.5} Mn _{1.5} O ₄ Positive Electrodes. <i>Journal of the Electrochemical Society</i> , 2017 , 164, A6412-A6416 | 3.9 | 86 |
| 195 | Electrochemical and Chemical Treatment Methods for Enhancement of Oxygen Reduction Reaction Activity of Pt Shell-Pd Core Structured Catalyst. <i>Electrochimica Acta</i> , 2017 , 244, 146-153 | 6.7 | 17 |
| 194 | Low-Viscosity γ -Butyrolactone-Based Concentrated Electrolyte Solutions for LiNi _{0.5} Mn _{1.5} O ₄ Positive Electrodes in Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2017 , 4, 2398-2403 | 4.3 | 17 |
| 193 | Temperature effects on SEI formation and cyclability of Si nanoflake powder anode in the presence of SEI-forming additives. <i>Electrochimica Acta</i> , 2017 , 224, 186-193 | 6.7 | 48 |

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|-----|--|-----|----|
| 192 | Suppression of Mn ²⁺ -Dissolution of LiNi _{0.5} Mn _{1.5} O ₄ Electrodes in a Highly Concentrated Electrolyte Solution at Elevated Temperatures. <i>ChemistrySelect</i> , 2017 , 2, 8824-8827 | 1.8 | 15 |
| 191 | Adsorbed Water on Nano-Silicon Powder and Its Effects on Charge and Discharge Characteristics as Anode in Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2017 , 164, A6084-A6087 | 3.9 | 13 |
| 190 | Silicon Nano-flake Powder as an Anode for The Next Generation Lithium-ion Batteries: Current Status and Challenges. <i>Electrochemistry</i> , 2017 , 85, 623-629 | 1.2 | 12 |
| 189 | High Rate Charge and Discharge Characteristics of Graphite/SiO _x Composite Electrodes. <i>Electrochemistry</i> , 2017 , 85, 403-408 | 1.2 | 2 |
| 188 | In situ Scanning Electron Microscopy of Silicon Anode Reactions in Lithium-Ion Batteries during Charge/Discharge Processes. <i>Scientific Reports</i> , 2016 , 6, 36153 | 4.9 | 52 |
| 187 | Suppression of Manganese-ion Dissolution by SiO ₂ Aerosol Addition from Spray Pyrolyzed Li ₂ MnO ₃ -LiMn _{1/3} Ni _{1/3} Co _{1/3} O ₂ . <i>Electrochemistry</i> , 2016 , 84, 842-847 | 1.2 | 3 |
| 186 | Si/Li ₂ S Battery with Solvate Ionic Liquid Electrolyte. <i>Electrochemistry</i> , 2016 , 84, 887-890 | 1.2 | 21 |
| 185 | Enhancement of anode activity at Ni/Sm-doped CeO ₂ cermet anodes by Mo addition in NH ₃ -fueled solid oxide fuel cells. <i>Solid State Ionics</i> , 2016 , 285, 222-226 | 3.3 | 13 |
| 184 | Concentrated LiPF ₆ /PC electrolyte solutions for 5-V LiNi _{0.5} Mn _{1.5} O ₄ positive electrode in lithium-ion batteries. <i>Electrochimica Acta</i> , 2016 , 209, 219-224 | 6.7 | 56 |
| 183 | LiBF ₄ -Based Concentrated Electrolyte Solutions for Suppression of Electrolyte Decomposition and Rapid Lithium-Ion Transfer at LiNi _{0.5} Mn _{1.5} O ₄ /Electrolyte Interface. <i>Journal of the Electrochemical Society</i> , 2016 , 163, A2211-A2215 | 3.9 | 39 |
| 182 | Cycle Performances of Si-flake-powder Anodes in Lithium Salt-tetraglyme Complex Electrolytes. <i>Electrochemistry</i> , 2015 , 83, 837-839 | 1.2 | 14 |
| 181 | Li Pre-doping of Amorphous Silicon Electrode in Li-Naphthalene Complex Solutions. <i>Electrochemistry</i> , 2015 , 83, 843-845 | 1.2 | 15 |
| 180 | Preparation and Charge/Discharge Characteristics of Carbon-modified Ramsdellite TiO ₂ as a High Potential Anode. <i>Electrochemistry</i> , 2015 , 83, 867-869 | 1.2 | |
| 179 | Development of Highly Active and Durable Platinum Core-shell Catalysts for Polymer Electrolyte Fuel Cells. <i>Journal of the Japan Petroleum Institute</i> , 2015 , 58, 55-63 | 1 | 13 |
| 178 | Analysis of the Ionic Conduction Behavior in a Few of Room Temperature Molten Fluorides. <i>Electrochimica Acta</i> , 2015 , 174, 721-727 | 6.7 | |
| 177 | NiBe/Sm-doped CeO ₂ anode for ammonia-fueled solid oxide fuel cells. <i>Solid State Ionics</i> , 2014 , 256, 1-4 | 3.3 | 18 |
| 176 | Effects of Li pre-doping on charge/discharge properties of Si thin flakes as a negative electrode for Li-ion batteries. <i>Solid State Ionics</i> , 2014 , 262, 39-42 | 3.3 | 26 |
| 175 | Smoothing single-crystalline SiC surfaces by reactive ion etching using pure NF ₃ and NF ₃ /Ar mixture gas plasmas. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2014 , 32, 051303 | 2.9 | 1 |

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| 174 | Improvement of tap density of TiO ₂ (B) powder as high potential negative electrode for lithium ion batteries. <i>Journal of Power Sources</i> , 2013 , 244, 50-55 | 8.9 | 21 |
| 173 | Oxygen Reduction Catalytic Activity of Hollandite-Type Manganese Oxides. <i>Key Engineering Materials</i> , 2013 , 566, 253-257 | 0.4 | 1 |
| 172 | Controllable Growth Orientation of Ag ₂ O and Cu ₂ O Films by Electrocrystallization from Aqueous Solutions. <i>Crystal Growth and Design</i> , 2013 , 13, 52-58 | 3.5 | 35 |
| 171 | Effect of Surface Fluorination on the Charge/Discharge Properties of High Potential Negative Electrode TiO ₂ (B) for LIBs. <i>Key Engineering Materials</i> , 2013 , 582, 127-130 | 0.4 | 2 |
| 170 | 2.?????????????????????????????. <i>Electrochemistry</i> , 2013 , 81, 641-645 | 1.2 | 4 |
| 169 | Improvement of Tap Density of TiO ₂ (B) Powder as High Potential Negative Electrode. <i>ECS Transactions</i> , 2013 , 50, 261-269 | 1 | 1 |
| 168 | IN SITU SPM ANALYSIS OF INTERFACIAL PHENOMENA IN LITHIUM-ION BATTERIES. <i>World Scientific Series in Nanoscience and Nanotechnology</i> , 2013 , 355-369 | 0.1 | 1 |
| 167 | Improvement of Durability in Au Core/Pt Shell Structured Catalyst With PtRu Shell Formation. <i>ECS Meeting Abstracts</i> , 2013 , | 0 | 2 |
| 166 | Influence of Li diffusion distance on the negative electrode properties of Si thin flakes for Li secondary batteries. <i>Solid State Ionics</i> , 2012 , 225, 506-509 | 3.3 | 31 |
| 165 | Analysis of the Ionic Conduction Behavior in Some Room Temperature Molten Fluorides. <i>ECS Transactions</i> , 2012 , 41, 7-12 | 1 | 1 |
| 164 | Effect of Addition of Alkali Metal Fluoride to a Molten NH ₄ F-HF System on Current Efficiency for NF ₃ Formation and Nickel Anode Consumption. <i>ECS Transactions</i> , 2012 , 41, 69-74 | 1 | |
| 163 | Improvement of Cycleability for Li-Si Alloy Anodes Using Si Thin Flakes for Li-Ion Batteries. <i>ECS Transactions</i> , 2012 , 41, 27-35 | 1 | 4 |
| 162 | Carbon Coating of Si Thin Flakes and Negative Electrode Properties in Lithium-Ion Batteries. <i>Electrochemistry</i> , 2012 , 80, 720-724 | 1.2 | 10 |
| 161 | Durability of Au Core/Pt Shell Structured Catalyst. <i>ECS Meeting Abstracts</i> , 2012 , | 0 | 2 |
| 160 | In situ ??(2)SPM?????. <i>Electrochemistry</i> , 2011 , 79, 488-492 | 1.2 | |
| 159 | Effects of Carbon Dioxide on the Performance of Anion-Exchange Membrane Fuel Cells. <i>Electrochemistry</i> , 2011 , 79, 322-325 | 1.2 | 36 |
| 158 | Determination of Surface Compositions of Pt-Ru Alloy Thin Films Using Cu Stripping Voltammetry. <i>Electrochemistry</i> , 2011 , 79, 357-360 | 1.2 | 2 |
| 157 | Si thin platelets as high-capacity negative electrode for Li-ion batteries. <i>Journal of Power Sources</i> , 2011 , 196, 6637-6643 | 8.9 | 30 |

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| 156 | Improvement of the Reversible Capacity of TiO ₂ (B) High Potential Negative Electrode. <i>Journal of the Electrochemical Society</i> , 2011 , 159, A49-A54 | 3.9 | 18 |
| 155 | Analysis of cationic structure in some room-temperature molten fluorides and dependence of their ionic conductivity and viscosity on hydrofluoric acid concentration. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 9593-603 | 3.4 | 5 |
| 154 | Performances of metal fluoride added carbon anodes with pre-electrolysis for electrolytic synthesis of NF ₃ . <i>Electrochimica Acta</i> , 2011 , 56, 4425-4432 | 6.7 | 6 |
| 153 | Effect of CsF-concentration on electrolytic conductivity, viscosity and anodic reaction of nickel electrode in (CH ₃) ₃ N-CsF ₃ system at room temperature. <i>Electrochimica Acta</i> , 2011 , 56, 4335-4343 | 6.7 | 5 |
| 152 | New molten salt systems for high temperature molten salt batteries: Ternary and quaternary molten salt systems based on LiF _{0.5} Cl, LiF _{0.5} Br, and LiCl _{0.5} Br. <i>Journal of Power Sources</i> , 2011 , 196, 4012-4018 | 8.9 | 37 |
| 151 | Oxygen Reduction Reaction Activity of Shape Controlled Pt Catalysts. <i>ECS Transactions</i> , 2011 , 41, 2283-2288 | | 4 |
| 150 | Development of Oxygen Reduction Electrocatalysts Based on Manganese Oxides for AEMFCs. <i>ECS Transactions</i> , 2011 , 41, 2185-2192 | 1 | 3 |
| 149 | Structure-Controlled Pt Catalyst for Polymer Electrolyte Fuel Cells. <i>Hyomen Kagaku</i> , 2011 , 32, 698-703 | | 1 |
| 148 | Large-Scale Synthesis of Pt Monolayer on Pd Core Shell Catalyst for Oxygen Reduction Reaction. <i>ECS Meeting Abstracts</i> , 2011 , | 0 | 2 |
| 147 | Effect of Core Size on Activity and Durability of Pt Core-Shell Catalysts for PEFCs. <i>ECS Transactions</i> , 2010 , 33, 231-238 | 1 | 21 |
| 146 | Improvement of Electrochemical Properties of a High Potential Negative Electrode TiO ₂ (B). <i>ECS Transactions</i> , 2010 , 33, 57-66 | 1 | 4 |
| 145 | Shape-controlled Silicon Particles for High-capacity Negative Electrode of Li-ion Batteries. <i>Electrochemistry</i> , 2010 , 78, 438-441 | 1.2 | 9 |
| 144 | Irreversible Capacity and Lithium-ion Insertion/Extraction Kinetics of a High Potential Negative Electrode TiO ₂ (B). <i>Electrochemistry</i> , 2010 , 78, 431-434 | 1.2 | 6 |
| 143 | Shape-Controlled Platinum Nanoparticles of Different Sizes and Their Electrochemical Properties. <i>Electrocatalysis</i> , 2010 , 1, 169-177 | 2.7 | 11 |
| 142 | Simultaneous measurement of the effective ionic conductivity and effective electronic conductivity in a porous electrode film impregnated with electrolyte. <i>Journal of Electroanalytical Chemistry</i> , 2010 , 648, 92-97 | 4.1 | 22 |
| 141 | New molten salt systems for high-temperature molten salt batteries: LiF _{0.5} Cl _{0.5} Br-based quaternary systems. <i>Journal of Power Sources</i> , 2010 , 195, 7691-7700 | 8.9 | 18 |
| 140 | Electrolysis of (CH ₃) ₄ NF ₄ BHF Melt with Boron-doped Diamond Anode. <i>ECS Transactions</i> , 2009 , 16, 1-6 | 1 | 2 |
| 139 | Carbon Surface Oxidation by Short-Term Ozone Treatment for Modeling Long-Term Degradation of Fuel Cell Cathodes. <i>Journal of the Electrochemical Society</i> , 2009 , 156, A181 | 3.9 | 8 |

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| 138 | Effects of Temperature and Relative Humidity on Oxygen Permeation in Nafion [®] and Sulfonated Poly(Arylene Ether Sulfone). <i>ECS Transactions</i> , 2009 , 16, 881-889 | 1 | 30 |
| 137 | ZnO Nano-Cauliflower Array Dye-Sensitized Solar Cells. <i>ECS Transactions</i> , 2009 , 16, 3-10 | 1 | 3 |
| 136 | Durability of Electrocatalysts in Polymer Electrolyte Fuel Cells. <i>ECS Transactions</i> , 2009 , 25, 573-581 | 1 | 30 |
| 135 | Effect of Electrolyte Composition and Anode Material on Current Efficiency for NF ₃ Formation in Electrolytic Synthesis using Diamond Anode. <i>ECS Transactions</i> , 2009 , 16, 469-477 | 1 | 3 |
| 134 | Negative Electrode Properties of Sn and Si Leaf Powder for Li-ion Batteries. <i>ECS Transactions</i> , 2009 , 25, 101-108 | 1 | 6 |
| 133 | Electronic structures of partially fluorinated lithium manganese spinel oxides and their electrochemical properties. <i>Journal of Power Sources</i> , 2009 , 189, 599-601 | 8.9 | 11 |
| 132 | TiO ₂ (B) as a promising high potential negative electrode for large-size lithium-ion batteries. <i>Journal of Power Sources</i> , 2009 , 189, 580-584 | 8.9 | 61 |
| 131 | New iodide-based molten salt systems for high temperature molten salt batteries. <i>Journal of Power Sources</i> , 2009 , 194, 1180-1183 | 8.9 | 13 |
| 130 | Influence of Carbon Dioxide on the Performance of Anion-Exchange Membrane Fuel Cells. <i>ECS Transactions</i> , 2009 , 25, 105-110 | 1 | 25 |
| 129 | Preparation of core/shell and hollow nanostructures of cerium oxide by electrodeposition on a polystyrene sphere template. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 1070-5 | 9.5 | 47 |
| 128 | Ionic Conductivity and Viscosity of Low Temperature Molten Fluorides Containing HF. <i>Electrochemistry</i> , 2009 , 77, 713-720 | 1.2 | 5 |
| 127 | Chemical Degradation of Perfluorinated Sulfonic Acid Membranes 2009 , 57-69 | | 4 |
| 126 | Direct Electrodeposition of 1.46 eV Bandgap Silver(I) Oxide Semiconductor Films by Electrogenerated Acid. <i>Chemistry of Materials</i> , 2008 , 20, 1254-1256 | 9.6 | 94 |
| 125 | Zinc Oxide Nano-Cauliflower Array with Room Temperature Ultraviolet Light Emission. <i>Crystal Growth and Design</i> , 2008 , 8, 1418-1421 | 3.5 | 21 |
| 124 | Electrochemical STM Observation of Li _[sub 1+x] Mn _[sub 2] O _[sub 4] Thin Films Prepared by Pulsed Laser Deposition. <i>Journal of the Electrochemical Society</i> , 2008 , 155, A20 | 3.9 | 11 |
| 123 | Impacts of air bleeding on membrane degradation in polymer electrolyte fuel cells. <i>Journal of Power Sources</i> , 2008 , 178, 699-705 | 8.9 | 45 |
| 122 | Interfacial reactions between graphite electrodes and propylene carbonate-based solutions: Electrolyte-concentration dependence of electrochemical lithium intercalation reaction. <i>Journal of Power Sources</i> , 2008 , 175, 540-546 | 8.9 | 108 |
| 121 | Electrochemical AFM study of LiMn ₂ O ₄ thin film electrodes exposed to elevated temperatures. <i>Journal of Power Sources</i> , 2008 , 180, 539-545 | 8.9 | 59 |

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|-----|--|------|------|
| 120 | Stability of platinum particles on a carbon substrate investigated by atomic force microscopy and scanning electron microscopy. <i>Journal of Power Sources</i> , 2007 , 171, 524-529 | 8.9 | 25 |
| 119 | Stability and Thermodynamic Analysis of Pt and NiOx Fy [Ni] Reference Electrodes in a Dehydrated Melt of NH ₄ F·2HF. <i>Journal of the Electrochemical Society</i> , 2007 , 154, E172 | 3.9 | 3 |
| 118 | Stability of Pt-Ru/C Catalysts: Effects of Ru Content. <i>ECS Transactions</i> , 2007 , 11, 325-334 | 1 | 11 |
| 117 | Preparation of Cubic Platinum Nanoparticles of Different Sizes and Their Electrochemical Properties. <i>ECS Transactions</i> , 2007 , 11, 181-189 | 1 | 2 |
| 116 | Electrochemical Corrosion of Carbon Materials in an Aqueous Acid Solution. <i>Electrochemistry</i> , 2007 , 75, 258-260 | 1.2 | 28 |
| 115 | Membrane Degradation in Polymer Electrolyte Fuel Cells under Low Humidification Conditions. <i>Electrochemistry</i> , 2007 , 75, 207-212 | 1.2 | 31 |
| 114 | Electrochemically constructed p-Cu ₂ O/n-ZnO heterojunction diode for photovoltaic device. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 3326-3329 | 3 | 298 |
| 113 | Scientific aspects of polymer electrolyte fuel cell durability and degradation. <i>Chemical Reviews</i> , 2007 , 107, 3904-51 | 68.1 | 2627 |
| 112 | Measurement and Thermodynamic Analysis of NiF ₂ /Ni Electrode Potential in a Dehydrated Melt of NH ₄ F·2HF. <i>ECS Transactions</i> , 2006 , 3, 529-542 | 1 | 2 |
| 111 | Measurement and Thermodynamic Analysis of M ⁿ⁺ /M ⁿ (M=Cu and Fe) Electrode Potentials in a Few Fluoride Melts Containing HF. <i>Journal of the Electrochemical Society</i> , 2006 , 153, D149 | 3.9 | 9 |
| 110 | Vapor-Phase Deposition for Dense CeO ₂ Film Growth on Porous Substrates. <i>Journal of the Electrochemical Society</i> , 2006 , 153, A975 | 3.9 | 6 |
| 109 | Porous Metal Tubular Support for Solid Oxide Fuel Cell Design. <i>Electrochemical and Solid-State Letters</i> , 2006 , 9, A427 | | 9 |
| 108 | Diagnostics of Cathode Flooding in a Segmented PEMFC with Local Reference Electrodes. <i>ECS Transactions</i> , 2006 , 3, 1041-1047 | 1 | 3 |
| 107 | Hydrogen Peroxide Formation as a Degradation Factor of Polymer Electrolyte Fuel Cells. <i>ECS Transactions</i> , 2006 , 1, 315-322 | 1 | 7 |
| 106 | Stability of Pt-Catalyzed Highly Oriented Pyrolytic Graphite Against Hydrogen Peroxide in Acid Solution. <i>Journal of the Electrochemical Society</i> , 2006 , 153, A58 | 3.9 | 51 |
| 105 | Photochemical Construction of Photovoltaic Device Composed of p-Copper(I) Oxide and n-Zinc Oxide. <i>Journal of the Electrochemical Society</i> , 2006 , 153, C668 | 3.9 | 55 |
| 104 | Preparation of Lanthanum Nickel Oxide-Coated Ni Sheet Anodes and Their Application to Electrolytic Production of (CF ₃) ₃ N in (CH ₃) ₄ NF ₄ ·0HF Melt. <i>Journal of Rare Earths</i> , 2006 , 24, 1-8 | 3.7 | 1 |
| 103 | Gas crossover and membrane degradation in polymer electrolyte fuel cells. <i>Electrochimica Acta</i> , 2006 , 51, 5746-5753 | 6.7 | 401 |

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|-----|--|-----|-----|
| 102 | Controlled growth and shape formation of platinum nanoparticles and their electrochemical properties. <i>Electrochimica Acta</i> , 2006 , 52, 1632-1638 | 6.7 | 96 |
| 101 | Durability of perfluorinated ionomer membrane against hydrogen peroxide. <i>Journal of Power Sources</i> , 2006 , 158, 1222-1228 | 8.9 | 267 |
| 100 | Structural and Electrical Characterizations of Electrodeposited p-Type Semiconductor Cu[sub 2]O Films. <i>Journal of the Electrochemical Society</i> , 2005 , 152, C179 | 3.9 | 133 |
| 99 | Formation mechanism of alkyl dicarbonates in Li-ion cells. <i>Journal of Power Sources</i> , 2005 , 150, 208-215 | 8.9 | 81 |
| 98 | Irreversible capacity of electrodeposited Sn thin film anode. <i>Journal of Power Sources</i> , 2005 , 146, 473-478. | 8.9 | 76 |
| 97 | Electrochemical properties of LiFePO ₄ thin films prepared by pulsed laser deposition. <i>Journal of Power Sources</i> , 2005 , 146, 559-564 | 8.9 | 49 |
| 96 | Anodic behavior of nickel-based alloys in the electrolytic production of NF ₃ . <i>Journal of Fluorine Chemistry</i> , 2005 , 126, 1101-1110 | 2.1 | 1 |
| 95 | Imaging of highly oriented pyrolytic graphite corrosion accelerated by Pt particles. <i>Electrochemistry Communications</i> , 2005 , 7, 1153-1156 | 5.1 | 75 |
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