

Kuniaki Murase

List of Publications by Year in descending order

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197
papers

3,104
citations

159525

30
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233338

45
g-index

200
all docs

200
docs citations

200
times ranked

2853
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Enhancement of Oxidation of Silicon Carbide Originating from Stacking Faults Formed by Mode-Selective Phonon Excitation Using a Mid-Infrared Free Electron Laser. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 2956-2962. | 2.1 | 4 |
| 2 | Recovery of Scandium from Sulfuric Acid Aqueous Solutions using Ion-Exchange Resin. <i>Journal of MMIJ</i> , 2022, 138, 51-59. | 0.4 | 1 |
| 3 | Proton conduction in hydronium solvate ionic liquids affected by ligand shape. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 449-456. | 1.3 | 3 |
| 4 | Ligand Exchange Conduction of Lithium Ion in a Pentaglyme-Lithium Bis(trifluoromethylsulfonyl)amide Super-Concentrated Electrolyte. <i>Journal of the Electrochemical Society</i> , 2021, 168, 016506. | 1.3 | 7 |
| 5 | An Ammonium Solvate Ionic Liquid. <i>Journal of the Electrochemical Society</i> , 2021, 168, 026515. | 1.3 | 1 |
| 6 | Unexpected Downstream Mode of Spatiotemporal Rotating Waves Found in the Model of H ₂ O ₂ Reduction on a Platinum Ring-Shaped Electrode under Mild Convection. <i>Journal of Physical Chemistry C</i> , 2021, 125, 7240-7250. | 1.5 | 2 |
| 7 | Electrodeposition of a CoNiCu medium-entropy alloy in a water-in-oil emulsion. <i>Electrochemistry Communications</i> , 2021, 128, 107057. | 2.3 | 9 |
| 8 | Glyme-Lithium Bis(trifluoromethylsulfonyl)amide Super-concentrated Electrolytes: Salt Addition to Solvate Ionic Liquids Lowers Ionicity but Liberates Lithium Ions. <i>Journal of the Electrochemical Society</i> , 2021, 168, 090521. | 1.3 | 3 |
| 9 | High-density and low-roughness anodic oxide formed on SiC in highly concentrated LiCl aqueous solution. <i>Electrochemistry Communications</i> , 2021, 132, 107138. | 2.3 | 3 |
| 10 | Lead Electrodeposition from Highly Concentrated Calcium Chloride Aqueous Solutions. <i>Journal of MMIJ</i> , 2021, 137, 103-109. | 0.4 | 1 |
| 11 | Dispersion of multiwalled carbon nanotubes into a diglyme solution, electrodeposition of aluminum-based composite, and improvement of hardness. <i>Journal of Alloys and Compounds</i> , 2020, 816, 152585. | 2.8 | 7 |
| 12 | Reactivity of Zinc Cations under Spontaneous Accumulation of Hydrophobic Coexisting Cations in Hydrophobic Nanoporous Silicon. <i>ACS Omega</i> , 2020, 5, 26894-26901. | 1.6 | 0 |
| 13 | A Concentrated AlCl ₃ Diglyme Electrolyte for Hard and Corrosion-Resistant Aluminum Electrodeposits. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 43289-43298. | 4.0 | 12 |
| 14 | Macroporous SiC Formation in Anodizing Triggered by Irradiation-Induced Lattice Defects. <i>Journal of Physical Chemistry C</i> , 2020, 124, 11032-11039. | 1.5 | 9 |
| 15 | Common mechanism for helical nanotube formation by anodic polymerization and by cathodic deposition using helical pores on silicon electrodes. <i>Electrochemistry Communications</i> , 2020, 114, 106714. | 2.3 | 8 |
| 16 | Suppression of Fast Proton Conduction by Dilution of a Hydronium Solvate Ionic Liquid: Localization of Ligand Exchange. <i>Journal of the Electrochemical Society</i> , 2020, 167, 046508. | 1.3 | 5 |
| 17 | Crystalline chromium electroplating with high current efficiency using chloride hydrate melt-based trivalent chromium baths. <i>Electrochimica Acta</i> , 2020, 338, 135873. | 2.6 | 17 |
| 18 | Electrodeposition of an iron thin film with compact and smooth morphology using an ethereal electrolyte. <i>Electrochimica Acta</i> , 2020, 348, 136289. | 2.6 | 15 |

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|----|--|-----|-----------|
| 19 | Basal-Plane Orientation of Zn Electrodeposits Induced by Loss of Free Water in Concentrated Aqueous Solutions. <i>Journal of the Electrochemical Society</i> , 2020, 167, 162511. | 1.3 | 3 |
| 20 | Black-colored Metallic Aluminum Obtained by Electrolytic Etching in a Highly Concentrated LiTf ₂ N Aqueous Solution. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2020, 71, 376-378. | 0.1 | 4 |
| 21 | Hydronium bis(trifluoromethanesulfonyl)amide ⁺ 18-crown-6 (1/1). <i>IUCrData</i> , 2020, 5, . | 0.1 | 0 |
| 22 | The Mechanism of Nodular Growth in Copper Electrorefining. <i>Journal of MMIJ</i> , 2020, 136, 8-13. | 0.4 | 2 |
| 23 | Will Concentrated Aqueous Solutions Change Surface Finishing?. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2020, 71, 723-728. | 0.1 | 0 |
| 24 | Hard Trivalent Chromium Plating from a Concentrated Calcium Chloride Aqueous Solution. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2020, 71, 815-820. | 0.1 | 3 |
| 25 | Brightness Grade of Silver Electroplating Estimated by Polarization Measurements of Baths. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2020, 71, 642-644. | 0.1 | 1 |
| 26 | Determination of Stability Constants of Copper(II) ⁺ Lactate Complexes in Cu ₂ O Electrodeposition Baths by UV-vis Absorption Spectra Factor Analysis. <i>Journal of the Electrochemical Society</i> , 2019, 166, D761-D767. | 1.3 | 18 |
| 27 | Cyanide-Free Displacement Silver Plating Using Highly Concentrated Aqueous Solutions of Metal Chloride Salts. <i>Journal of the Electrochemical Society</i> , 2019, 166, D409-D414. | 1.3 | 13 |
| 28 | Cathodic polarization behavior in an aqueous solution containing Co(II) and Tb(III): Comparison between flat and nanoporous electrodes. <i>Electrochimica Acta</i> , 2019, 309, 339-345. | 2.6 | 1 |
| 29 | Spontaneous Symmetry Breaking of Nanoscale Spatiotemporal Pattern as the Origin of Helical Nanopore Etching in Silicon. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 48604-48611. | 4.0 | 16 |
| 30 | Aging Variation of Magnesium Redox Properties in Ionic Liquid-Grignard Reagent Mixed Electrolytes. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2019, 70, 210-214. | 0.1 | 1 |
| 31 | A Hydronium Solvate Ionic Liquid: Facile Synthesis of Air-Stable Ionic Liquid with Strong Brønsted Acidity. <i>Journal of the Electrochemical Society</i> , 2018, 165, H121-H127. | 1.3 | 13 |
| 32 | FEM Simulation of Nodulation in Copper Electro-refining. <i>Minerals, Metals and Materials Series</i> , 2018, , 215-222. | 0.3 | 5 |
| 33 | Experimental Modeling of Nodulation in Copper Electrorefining. <i>Minerals, Metals and Materials Series</i> , 2018, , 319-323. | 0.3 | 4 |
| 34 | Irradiation-induced point defects enhance the electrochemical activity of 3C-SiC: An origin of SiC corrosion. <i>Electrochemistry Communications</i> , 2018, 91, 15-18. | 2.3 | 14 |
| 35 | Room Temperature Electrodeposition of Flat and Smooth Aluminum Layers from An AlCl ₃ /diglyme Bath. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2018, 69, 310-311. | 0.1 | 10 |
| 36 | A Hydronium Solvate Ionic Liquid: Ligand Exchange Conduction Driven by Labile Solvation. <i>Journal of the Electrochemical Society</i> , 2018, 165, H496-H499. | 1.3 | 8 |

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|----|---|-----|-----------|
| 37 | Identification of Copper(II) Lactate Complexes in Cu ₂ O Electrodeposition Baths: Deprotonation of the β -Hydroxyl Group in Highly Concentrated Alkaline Solution. <i>Journal of the Electrochemical Society</i> , 2018, 165, D444-D451. | 1.3 | 16 |
| 38 | Redox of ferrocenylthiol SAMs in electrolytes with bis[(trifluoromethyl)sulfonyl]amide as unique anions: Parallel between aqueous and ionic liquid media. <i>Journal of Electroanalytical Chemistry</i> , 2017, 795, 75-80. | 1.9 | 3 |
| 39 | An Ionic Liquid State Composed of Superoxide Radical Anions and Crownether-Coordinated Potassium Cations. <i>Journal of the Electrochemical Society</i> , 2017, 164, H5119-H5123. | 1.3 | 7 |
| 40 | Dynamic manipulation of the local pH within a nanopore triggered by surface-induced phase transition. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 16323-16328. | 1.3 | 6 |
| 41 | Mechanism of Accelerated Zinc Electrodeposition in Confined Nanopores, Revealed by X-ray Absorption Fine Structure Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2017, 121, 18047-18056. | 1.5 | 6 |
| 42 | Accelerated growth from amorphous clusters to metallic nanoparticles observed in electrochemical deposition of platinum within nanopores of porous silicon. <i>Electrochemistry Communications</i> , 2016, 71, 9-12. | 2.3 | 10 |
| 43 | An Ionic Liquid Consisting of Crown Ether - Coordinated Hydronium Cation and Amide Anion. <i>ECS Transactions</i> , 2016, 75, 239-244. | 0.3 | 1 |
| 44 | Electrochemically active species in aluminum electrodeposition baths of AlCl ₃ /glyme solutions. <i>Electrochimica Acta</i> , 2016, 211, 561-567. | 2.6 | 53 |
| 45 | High-Rate Charging of Zinc Anodes Achieved by Tuning Hydration Properties of Zinc Complexes in Water Confined within Nanopores. <i>Journal of Physical Chemistry C</i> , 2016, 120, 24112-24120. | 1.5 | 23 |
| 46 | True Molecular-resolution Imaging on Alkanethiol Self-assembled Monolayers in Ionic Liquids by Frequency Modulation Atomic Force Microscopy Utilizing a Quartz Tuning Fork Sensor. <i>Chemistry Letters</i> , 2015, 44, 459-461. | 0.7 | 9 |
| 47 | Spontaneous Formation of Microgroove Arrays on the Surface of p-Type Porous Silicon Induced by a Turing Instability in Electrochemical Dissolution. <i>ChemPhysChem</i> , 2015, 16, 1613-1618. | 1.0 | 6 |
| 48 | Use of Diode Analogy in Explaining the Voltammetric Characteristics of Immobilized Ferrocenyl Moieties on a Silicon Surface. <i>ChemElectroChem</i> , 2015, 2, 68-72. | 1.7 | 5 |
| 49 | (Invited) Electrodeposition in Microporous Silicon from the Viewpoint of Hydration Property: Effect of Coexisting Ions in Zinc Electrodeposition. <i>ECS Transactions</i> , 2015, 69, 15-21. | 0.3 | 0 |
| 50 | Penetration of Platinum Complex Anions into Porous Silicon: Anomalous Behavior Caused by Surface-Induced Phase Transition. <i>Journal of Physical Chemistry C</i> , 2015, 119, 19105-19116. | 1.5 | 14 |
| 51 | Room Temperature Magnesium Electrodeposition from Glyme-Coordinated Ammonium Amide Electrolytes. <i>Journal of the Electrochemical Society</i> , 2015, 162, D389-D396. | 1.3 | 37 |
| 52 | Quest for Ether-Coordinated Superoxide Ionic Liquids. <i>ECS Transactions</i> , 2014, 64, 21-25. | 0.3 | 1 |
| 53 | Room-Temperature Electrodeposition of Mg Metal from Amide Salts Dissolved in Glyme-Ionic Liquid Mixture. <i>Journal of the Electrochemical Society</i> , 2014, 161, D102-D106. | 1.3 | 45 |
| 54 | Lateral Growth of Polypyrrole Electropolymerized along Hydrophobic Insulative Substrates. <i>ECS Electrochemistry Letters</i> , 2014, 3, G5-G7. | 1.9 | 6 |

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|----|---|-----|-----------|
| 55 | Effect of cation species on surface-induced phase transition observed for platinum complex anions in platinum electrodeposition using nanoporous silicon. <i>Journal of Chemical Physics</i> , 2014, 141, 074701. | 1.2 | 10 |
| 56 | Electrochemical Reactivity of Magnesium Ions with Sn-Based Binary Alloys (Cu-Sn, Pb-Sn, and In-Sn). <i>ECS Transactions</i> , 2014, 58, 75-80. | 0.3 | 17 |
| 57 | A concept of dual-salt polyvalent-metal storage battery. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1144-1149. | 5.2 | 133 |
| 58 | Solubility and Stability of Superoxide Radical Anions in Room-Temperature Ionic Liquids. <i>ECS Transactions</i> , 2014, 58, 33-37. | 0.3 | 1 |
| 59 | Structural Analysis of Ionic-liquid/Organic-monolayer Interface by Phase Modulation Atomic Force Microscopy Utilizing a Quartz Tuning Fork Sensor. <i>Electrochemistry</i> , 2014, 82, 380-384. | 0.6 | 8 |
| 60 | AlCl ₃ -dissolved Diglyme as Electrolyte for Room-Temperature Aluminum Electrodeposition. <i>Electrochemistry</i> , 2014, 82, 946-948. | 0.6 | 42 |
| 61 | Suppression of Silver Dissolution by Contacting Different Metals during Copper Electrorefining. <i>Journal of MMIJ</i> , 2014, 130, 65-69. | 0.4 | 7 |
| 62 | Photochemical grafting of methyl groups on a Si(111) surface using a Grignard reagent. <i>Journal of Colloid and Interface Science</i> , 2013, 411, 145-151. | 5.0 | 3 |
| 63 | Enhanced Anodic Dissolution of Magnesium in Quaternary-Ammonium-Based Ionic Liquid Containing a Small Amount of Water. <i>Journal of the Electrochemical Society</i> , 2013, 160, D453-D458. | 1.3 | 12 |
| 64 | Lithiation behavior of single-phase Cu ²⁺ /Sn intermetallics and effects on their negative-electrode properties. <i>Electrochimica Acta</i> , 2013, 98, 239-243. | 2.6 | 20 |
| 65 | Photochemical Assembly of Gold Nanoparticle Arrays Covalently Attached to Silicon Surface Assisted by Localized Plasmon in the Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2013, 117, 2480-2485. | 1.5 | 20 |
| 66 | Potentiostatic Cu-Zn Alloying for Polymer Metallization Using Medium-Low Temperature Ionic Liquid Baths. <i>Journal of the Electrochemical Society</i> , 2013, 160, D417-D421. | 1.3 | 9 |
| 67 | Visible Light-Induced Immobilization of Gold Nanoparticles on Silicon Substrates. <i>ECS Transactions</i> , 2013, 50, 137-143. | 0.3 | 0 |
| 68 | Visualization of Ionic-Liquid/Solid Interfaces by Frequency Modulation Atomic Force Microscopy. <i>ECS Transactions</i> , 2013, 50, 349-355. | 0.3 | 17 |
| 69 | Vinylferrocene-Terminated Si(111) Prepared in Diethyl Ether and Dibutyl Ether Grafting Media. <i>ECS Transactions</i> , 2013, 50, 37-46. | 0.3 | 0 |
| 70 | Activation of Cyclo-Olefine Polymer Surface for the Promotion of Palladium Adsorption Based on the Oxygen-Amprified Vacuum Ultra-Violet Process. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2013, 64, 662-668. | 0.1 | 7 |
| 71 | Influence of Chloride Ions on Quality and Mechanical Properties of Electrodeposited Copper in Copper Electrorefining. <i>Journal of MMIJ</i> , 2013, 129, 72-77. | 0.4 | 4 |
| 72 | Frequency Modulation Atomic Force Microscopy in Ionic Liquid Using Quartz Tuning Fork Sensors. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 08KB08. | 0.8 | 31 |

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|----|---|-----|-----------|
| 73 | Photochemical Preparation of Methyl-terminated Si(111) Surface Using a Grignard Reagent. <i>Chemistry Letters</i> , 2012, 41, 902-904. | 0.7 | 4 |
| 74 | Vinylferrocene Photochemical Preparation on Si(111) Surface in Different Grafting Media. <i>Chemistry Letters</i> , 2012, 41, 1188-1190. | 0.7 | 4 |
| 75 | Nanotemplate Prepared by Means of Vacuum Ultraviolet Patterning of Alkylsilane Self-assembled Monolayer on ITO Using a Porous Alumina Mask: Application to the Fabrication of Gold Nanoparticle Arrays. <i>Chemistry Letters</i> , 2012, 41, 392-393. | 0.7 | 5 |
| 76 | Self-alignment of Gold Nanoparticles through the Control of Particle-substrate and Particle-particle Interactions. <i>Procedia Engineering</i> , 2012, 36, 374-381. | 1.2 | 3 |
| 77 | UV induced covalent assembly of gold nanoparticles in linear patterns on oxide free silicon surface. <i>Journal of Materials Chemistry</i> , 2012, 22, 16546. | 6.7 | 10 |
| 78 | Site-Selective Assembly and Reorganization of Gold Nanoparticles along Aminosilane-Covered Nanolines Prepared on Indium-Tin Oxide. <i>Langmuir</i> , 2012, 28, 7579-7584. | 1.6 | 30 |
| 79 | Circular Arrays of Gold Nanoparticles of a Single Particle Line Thickness Formed on Indium Tin Oxide. <i>Applied Physics Express</i> , 2012, 5, 025202. | 1.1 | 3 |
| 80 | Reduced Consumption of Glue and Electric Power by Continuous Glue Dissolution System Installed at The Tamano Refinery. <i>Journal of MMIJ</i> , 2012, 128, 155-159. | 0.4 | 6 |
| 81 | Drastic Change in Electrical Properties of Electrodeposited ZnO: Systematic Study by Hall Effect Measurements. <i>Journal of Physical Chemistry C</i> , 2012, 116, 15925-15931. | 1.5 | 31 |
| 82 | Covalent assembly of silver nanoparticles on hydrogen-terminated silicon surface. <i>Journal of Colloid and Interface Science</i> , 2012, 382, 22-27. | 5.0 | 8 |
| 83 | Anodic Dissolution Behavior of Magnesium in Hydrophobic Ionic Liquids. <i>ECS Transactions</i> , 2011, 33, 65-70. | 0.3 | 4 |
| 84 | Thermodynamics of Cathodic ZnTe Electrodeposition Using Basic Ammoniacal Electrolytes: Why CdTe Can Deposit While ZnTe Cannot. <i>High Temperature Materials and Processes</i> , 2011, 30, . | 0.6 | 2 |
| 85 | Molecular packing density of a self-assembled monolayer formed from N-(2-aminoethyl)-3-aminopropyltriethoxysilane by a vapor phase process. <i>Chemical Communications</i> , 2011, 47, 8841. | 2.2 | 17 |
| 86 | Electrochemical Polishing of Metallic Titanium in Ionic Liquid. <i>Materials Transactions</i> , 2011, 52, 2061-2066. | 0.4 | 14 |
| 87 | Formation of uniform ferrocenyl-terminated monolayer covalently bonded to Si using reaction of hydrogen-terminated Si(1 1 1) surface with vinylferrocene/n-decane solution by visible-light excitation. <i>Journal of Colloid and Interface Science</i> , 2011, 361, 259-269. | 5.0 | 16 |
| 88 | Self-aligned nucleation of gold onto templates with a nano-scale precision fabricated by scanning probe lithography. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 221, 209-213. | 2.0 | 4 |
| 89 | Preparation of Cu-Sn Layers on Polymer Substrate by Reduction-Diffusion Method Using Ionic Liquid Baths. <i>Journal of the Electrochemical Society</i> , 2011, 158, D335. | 1.3 | 16 |
| 90 | Anionic effect of ionic liquids electrolyte on electrochemical behavior of ferrocenylthiol/alkanethiol binary SAMs. <i>Journal of Electroanalytical Chemistry</i> , 2010, 643, 58-66. | 1.9 | 22 |

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| 91 | Potentiostatic Cu-Zn Alloying for Polymer Metallization Using Medium-Low Temperature Ionic Liquid Baths. <i>ECS Transactions</i> , 2010, 33, 515-521. | 0.3 | 3 |
| 92 | Alkanethiol Self-Assembled Monolayers Formed on Silicon Substrates. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 01AE09. | 0.8 | 12 |
| 93 | Lamination Interface of the Wax-Less Permanent Cathode Process in Copper Refinery. <i>Journal of MMIJ</i> , 2010, 126, 697-700. | 0.4 | 3 |
| 94 | Soft processing for formation of self-assembled monolayer on hydrogen-terminated silicon surface based on visible-light excitation. <i>Journal of Vacuum Science & Technology B</i> , 2009, 27, 858-862. | 1.3 | 7 |
| 95 | Reversible Potential Change of Ferrocenylthiol Monolayers Induced by Atomic Force Microscopy. <i>Japanese Journal of Applied Physics</i> , 2009, 48, 08JB15. | 0.8 | 5 |
| 96 | Scanning probe anodization patterning of Si substrates covered with a self-assembled monolayer dependent on surface hydrophilicity. <i>Journal of Vacuum Science & Technology B</i> , 2009, 27, 928. | 1.3 | 9 |
| 97 | Vacuum ultraviolet-induced surface modification of cyclo-olefin polymer substrates for photochemical activation bonding. <i>Applied Surface Science</i> , 2009, 255, 3648-3654. | 3.1 | 68 |
| 98 | Probing the diffusion of vacuum ultraviolet ($\lambda=172\text{nm}$) induced oxidants by nanoparticles immobilization. <i>Applied Surface Science</i> , 2009, 255, 9817-9821. | 3.1 | 2 |
| 99 | Organosilane self-assembled multilayer formation based on activation of methyl-terminated surface with reactive oxygen species generated by vacuum ultra-violet excitation of atmospheric oxygen molecules. <i>Applied Surface Science</i> , 2009, 256, 1507-1513. | 3.1 | 11 |
| 100 | Gold Nanoparticle Arrays Fabricated on a Silicon Substrate Covered with a Covalently Bonded Alkyl Monolayer by Electroless Plating Combined with Scanning Probe Anodization Lithography. <i>Journal of Physical Chemistry C</i> , 2009, 113, 11643-11646. | 1.5 | 10 |
| 101 | Alkyl and Alkoxy Monolayers Directly Attached to Silicon: Chemical Durability in Aqueous Solutions. <i>Langmuir</i> , 2009, 25, 5516-5525. | 1.6 | 45 |
| 102 | Effects of Counteranions and Dissolved Oxygen on Chemical ZnO Deposition from Aqueous Solutions. <i>Journal of the Electrochemical Society</i> , 2009, 156, H320. | 1.3 | 16 |
| 103 | Electrochemical Behavior of Ferrocenylthiol / Alkanethiol Binary SAM in Ionic Liquids. <i>ECS Transactions</i> , 2009, 16, 575-581. | 0.3 | 3 |
| 104 | Sustainable Electrodeposition of ZnO by a Galvanic Contact Method. <i>Electrochemical and Solid-State Letters</i> , 2009, 12, D72. | 2.2 | 8 |
| 105 | Cu-Sn Alloy Metallization of Polymer Substrate through Reduction-Diffusion Method Using Ionic Liquid Bath at Medium-Low Temperatures. <i>Electrochemistry</i> , 2009, 77, 677-679. | 0.6 | 5 |
| 106 | Ruthenium-amine complexation for constructing self-assembled molecular films. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 321, 94-98. | 2.3 | 4 |
| 107 | Alternate stacking of transition metal ions and terephthalic acid molecules for the fabrication of self-assembled multilayers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 321, 249-253. | 2.3 | 8 |
| 108 | Structural Organization of Gold Nanoparticles onto the ITO Surface and Its Optical Properties as a Function of Ensemble Size. <i>Langmuir</i> , 2008, 24, 3787-3793. | 1.6 | 60 |

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|-----|---|-----|-----------|
| 109 | Self-Assembled Monolayers Directly Attached to Silicon Substrates Formed from 1-Hexadecene by Thermal, Ultraviolet, and Visible Light Activation Methods. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 5659. | 0.8 | 33 |
| 110 | Surface Chemical Conversion of Organosilane Self-Assembled Monolayers with Active Oxygen Species Generated by Vacuum Ultraviolet Irradiation of Atmospheric Oxygen Molecules. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 307. | 0.8 | 28 |
| 111 | Self-Assembly of Ionic Liquid (BMI-PF ₆)-Stabilized Gold Nanoparticles on a Silicon Surface: Chemical and Structural Aspects. <i>Langmuir</i> , 2008, 24, 7785-7792. | 1.6 | 74 |
| 112 | Regulation of Pattern Dimension as a Function of Vacuum Pressure: Alkyl Monolayer Lithography. <i>Langmuir</i> , 2008, 24, 12077-12084. | 1.6 | 25 |
| 113 | Self-Assembly Guided One-Dimensional Arrangement of Gold Nanoparticles: A Facile Approach. <i>Journal of Physical Chemistry C</i> , 2008, 112, 16182-16185. | 1.5 | 22 |
| 114 | Spatially Controlled Functionalization and Chemical Manipulation to Fabricate Two-Dimensional Arrays of Gold Nanoparticles onto Indium Tin Oxide. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 5048-5052. | 0.8 | 11 |
| 115 | Electrochemical Iron-Chromium Alloying of Carbon Steel Surface Using Alternating Pulsed Electrolysis. <i>Materials Transactions</i> , 2008, 49, 1346-1354. | 0.4 | 1 |
| 116 | Scanning Capacitance Microscopy for Alkylsilane-Monolayer-Covered Si Substrate Patterned by Scanning Probe Lithography. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 5621. | 0.8 | 6 |
| 117 | Electrochemical Alloying of Copper Substrate with Tin Using Ionic Liquid as an Electrolyte at Medium-Low Temperatures. <i>Journal of the Electrochemical Society</i> , 2007, 154, D612. | 1.3 | 15 |
| 118 | Faster Growth of Cu-Sn Layers Through Reduction-Diffusion Method Using Ionic Liquid Bath at Medium-Low Temperatures. <i>ECS Transactions</i> , 2007, 11, 103-109. | 0.3 | 2 |
| 119 | Multicycle Desorption-Adsorption Voltammetry for Self-Assembled Mixed Monolayer Containing Ferrocenylthiol Molecules: A Discussion on Molecular Interaction in the Mixed Layer. <i>Electrochemistry</i> , 2007, 75, 523-527. | 0.6 | 1 |
| 120 | Thermal Immobilization of Ferrocene Derivatives on (111) Surface of n-Type Silicon: A Parallel between Vinylferrocene and Ferrocenecarboxaldehyde. <i>Langmuir</i> , 2007, 23, 3193-3198. | 1.6 | 59 |
| 121 | Alternating Pulsed Electrolysis for Iron-Chromium Alloy Coatings with Continuous Composition Gradient. <i>Journal of the Electrochemical Society</i> , 2007, 154, D304. | 1.3 | 11 |
| 122 | NO Decomposition using Structure-Changed Titanium Oxides by Mechanical Milling. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2007, 54, 686-693. | 0.1 | 0 |
| 123 | Redox and transport behaviors of Cu(I) ions in TMHA-Tf ₂ N ionic liquid solution. <i>Journal of Applied Electrochemistry</i> , 2007, 37, 339-344. | 1.5 | 28 |
| 124 | Self-assembled mixed monolayer containing ferrocenylthiol molecules: STM observations and electrochemical investigations. <i>Electrochimica Acta</i> , 2007, 52, 4436-4442. | 2.6 | 33 |
| 125 | Ni-Mo alloying of nickel surface by alternating pulsed electrolysis using molybdenum(VI) baths. <i>Electrochimica Acta</i> , 2007, 52, 6041-6051. | 2.6 | 34 |
| 126 | Fe-Cr Alloying of Iron Surface by Asymmetric Alternating Pulsed Electrolysis Using Trivalent Chromium Solution. <i>Electrochemical and Solid-State Letters</i> , 2006, 9, B32. | 2.2 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | Organic Monolayers Covalently Bonded to Si as Ultra Thin Photoresist Films in Vacuum UV Lithography. Japanese Journal of Applied Physics, 2006, 45, 5456-5460. | 0.8 | 20 |
| 128 | Formation of Cu-Sn Alloy Layer by Contact Deposition Using Quaternary Ammonium-Imide-Type Ionic Liquid. Electrochemical and Solid-State Letters, 2006, 9, C69. | 2.2 | 23 |
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