

Mikito Ueda

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	In-situ high-speed atomic force microscopy observation of dynamic nanobubbles during water electrolysis. <i>Journal of Colloid and Interface Science</i> , 2022, 614, 389-395.	9.4	13
2	Effect of alkaline fuel cell catalyst on deuterium isotope separation. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 6745-6750.	7.1	3
3	Development of recycling process of high purity Na from used secondary batteries containing Na. <i>Denki Kagaku</i> , 2021, 89, 5-9.	0.0	0
4	In Situ Observation of Cu^{2+} Concentration Profile During Cu Dissolution in Magnetic Field. <i>Journal of the Electrochemical Society</i> , 2021, 168, 031507.	2.9	5
5	Influence of Operating Conditions on Deposition Rate and Smoothness of Electrolytic Aluminum Foil Using Chloroaluminate Ionic Liquids. <i>Journal of the Electrochemical Society</i> , 2021, 168, 056510.	2.9	3
6	Communication—Electrodeposition of Al-Sc Alloys from LiCl-KCl Molten Salt Containing AlCl_3 and ScCl_3 . <i>Journal of the Electrochemical Society</i> , 2021, 168, 082509.	2.9	0
7	Effect of water stoichiometry on deuterium isotope separation by anion exchange membrane water electrolysis. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 33689-33695.	7.1	6
8	Effects of water transport on deuterium isotope separation during polymer electrolyte membrane water electrolysis. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 31389-31395.	7.1	18
9	In Situ Measurement of Al^{3+} Concentration Profile during Al Anodization using Digital Holographic Interferometric Microscope. <i>Journal of the Electrochemical Society</i> , 2020, 167, 062501.	2.9	7
10	Effect of a high magnetic field on aluminum electrodeposition using an ionic liquid. <i>Electrochemistry Communications</i> , 2020, 115, 106733.	4.7	17
11	Corrosion Behavior of SUS 304L Steel in pH 13 NaOH Solution. <i>Electrochemistry</i> , 2020, 88, 468-474.	1.4	5
12	Aluminum Electrodeposition in Molten Salts/Ionic Liquids. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2020, 71, 729-733.	0.2	0
13	Electroplating of Bright Aluminum Film in EmImCl-AlCl_3 Ionic Liquid using a Supporting Electrode and Alumite Treatment of the Film. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2020, 71, 32-36.	0.2	3
14	Solubility of CaS in $\text{CaCl}_2\text{-LiCl}$ Eutectic Melt. <i>Materials Transactions</i> , 2019, 60, 411-415.	1.2	5
15	Deuterium isotope separation by polymer electrolyte fuel cells connected in series. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 15436-15440.	7.1	4
16	Communication—Deuterium Isotope Separation by Solid Polymer Electrolyte Water Electrolysis. <i>Journal of the Electrochemical Society</i> , 2019, 166, F566-F568.	2.9	8
17	Development of new production processes for aluminum. <i>Keikinzoku/Journal of Japan Institute of Light Metals</i> , 2019, 69, 15-21.	0.4	2
18	Interaction of Localized Surface Plasmons of a Silver Nanosphere Dimer Embedded in a Uniform Medium: Scanning Transmission Electron Microscopy Electron Energy-Loss Spectroscopy and Discrete Dipole Approximation Simulation. <i>Journal of Physical Chemistry C</i> , 2019, 123, 6735-6744.	3.1	8

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19	Electrodeposition of Al-Mn-Zn alloys in AlCl ₃ -NaCl-KCl molten salt containing MnCl ₂ and ZnCl ₂ . Keikinzoku/Journal of Japan Institute of Light Metals, 2019, 69, 42-45.	0.4	0
20	A Superhydrophilic Aluminum Surface with Fast Water Evaporation Based on Anodic Alumina Bundle Structures via Anodizing in Pyrophosphoric Acid. Materials, 2019, 12, 3497.	2.9	24
21	Holographic interferometric microscopy for measuring Cu ²⁺ concentration profile during Cu electrodeposition in a magnetic field. Electrochimica Acta, 2019, 297, 1104-1108.	5.2	22
22	Measurement of deuterium isotope separation by polymer electrolyte fuel cell stack. International Journal of Hydrogen Energy, 2019, 44, 1851-1856.	7.1	8
23	Solubility of CaS in Molten CaCl ₂ . Materials Transactions, 2019, 60, 386-390.	1.2	6
24	Deuterium isotope separation by combined electrolysis fuel cell. Energy, 2018, 149, 98-104.	8.8	22
25	Adhesivity of Al Electroplated Films on Mg-Al-Zn Alloys with an Al-Mg Intermetallic Compound Focus. Electrochemistry, 2018, 86, 66-68.	1.4	1
26	Output Current Characteristics of Different Density Graphite Cathodes for an Al-Cl ₂ Cell in an 1-ethyl-3-methylimidazolium Chloride-aluminum Chloride Mixture Ionic Liquid. Electrochemistry, 2018, 86, 69-71.	1.4	0
27	Removal of Ca and K from Metallic Na in TFSI Ionic Liquids Using an Exchange Reaction. Journal of the Electrochemical Society, 2018, 165, D94-D97.	2.9	1
28	<i>In-situ</i> Observation of Initial Electrodeposition Process by High Speed AFM. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2018, 69, 7-9.	0.2	0
29	Understanding the charge storage mechanism of conductive polymers as hybrid battery-capacitor materials in ionic liquids by <i>in situ</i> atomic force microscopy and electrochemical quartz crystal microbalance studies. Journal of Materials Chemistry A, 2018, 6, 17787-17799.	10.3	28
30	Overview over studies of electrodeposition of Al or Al alloys from low temperature chloroaluminate molten salts. Journal of Solid State Electrochemistry, 2017, 21, 641-647.	2.5	15
31	Al Film Electrodeposition from the AlCl ₃ -EMIC Electrolyte under a Magnetic Field. Journal of the Electrochemical Society, 2017, 164, H5165-H5168.	2.9	7
32	Formation of Gloss Al Electroplating in 1-ethyl-3-methylimidazolium chloride-AlCl ₃ Ionic Liquid Containing 1,10-Phenanthroline. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2017, 68, 208-212.	0.2	3
33	Novel PEFC Application for Deuterium Isotope Separation. Materials, 2017, 10, 303.	2.9	8
34	Hydrogen isotope separation with an alkaline membrane fuel cell. Electrochemistry Communications, 2016, 70, 5-7.	4.7	15
35	Utilization of Ionic Liquids as an Electrolyte for Electrodeposition of Metal and Metal Alloys. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2016, 67, 70-73.	0.2	1
36	Study of Deuterium Isotope Separation by PEFC. Journal of the Electrochemical Society, 2016, 163, F704-F707.	2.9	22

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37	Electroplating of Al-Zr alloys in AlCl ₃ -NaCl-KCl molten salts to improve corrosion resistance of Al. Journal of Solid State Electrochemistry, 2015, 19, 3485-3489.	2.5	18
38	Output Characteristics of a Circular Cone Type Graphite Cathode for Al-Cl ₂ Fuel Cells in AlCl ₃ -EMIC Ionic Liquid. Zeitschrift Fur Physikalische Chemie, 2014, 228, .	2.8	2
39	Electrorefining reaction of sodium in sodium-bis(trifluoromethylsulfonyl)imide and tetraethylammonium-bis(trifluoromethylsulfonyl)imide mixture ionic liquid. Electrochimica Acta, 2013, 100, 265-268.	5.2	6
40	Diffusion of Tl Ions into Glass Treated by Molten Salt Ion Exchange and Hydrogen Reduction. Materials Transactions, 2012, 53, 575-577.	1.2	1
41	Al electroplating on the AZ121 Mg alloy in an EMIC-AlCl ₃ ionic liquid containing ethylene glycol. Journal of Solid State Electrochemistry, 2012, 16, 3423-3427.	2.5	21
42	Self-healing ion-permselective conducting polymer coating. Journal of Materials Chemistry, 2010, 20, 7630.	6.7	96
43	Electrodeposition of Bi-Sb-Te Alloys by Pulse Electrolysis in AlCl ₃ -NaCl-KCl Molten Salt. Electrochemistry, 2009, 77, 659-662.	1.4	2
44	Ion-Exchange Treatment of Glass Surface in NaNO ₃ -TiNO ₃ Molten Salt. Electrochemistry, 2009, 77, 709-712.	1.4	3
45	Electrodeposition of Sb-Te Alloy in AlCl ₃ -NaCl-KCl Molten Salt. Materials Transactions, 2008, 49, 1720-1722.	1.2	6
46	Polypyrrole Coating on Zinc for Corrosion Prevention of Zinc-coated Steels. ISIJ International, 2007, 47, 151-156.	1.4	10
47	Polypyrrole coating doped by molybdo-phosphate anions for corrosion prevention of carbon steels. Journal of Solid State Electrochemistry, 2006, 10, 714-720.	2.5	33
48	Recovery of aluminum from oxide particles in aluminum dross using AlF ₃ -NaF-BaCl ₂ molten salt. Journal of Applied Electrochemistry, 2005, 35, 925-930.	2.9	19
49	Electrodeposition of Al-Cr-Ni Layer by Pulse Electrolysis in AlCl ₃ -EMIC Molten Salt. Electrochemistry, 2005, 73, 739-741.	1.4	16
50	Behavior of Silver Electrode in AlCl ₃ -NaCl-AgCl Melt. Electrochemistry, 2005, 73, 736-738.	1.4	1
51	Recovery of Aluminum Alloy from Aluminum Dross by Treatment of Chloride-Fluoride Mixture Melt. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1999, 63, 279-283.	0.4	11
52	Improvement of Chlorine Electrode in Al-Cl ₂ Cell in NaCl-KCl Melt by Rotation. Electrochemistry, 1999, 67, 695-699.	1.4	3
53	Output Properties of an Al-Cl ₂ Cell in AlCl ₃ -EMIC Ionic Liquid. Zeitschrift Fur Physikalische Chemie, 0, , 130521063025004.	2.8	1