

Mikito Ueda

List of Publications by Year in descending order

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53
papers

539
citations

623734

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54
all docs

54
docs citations

54
times ranked

465
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-healing ion-permselective conducting polymer coating. <i>Journal of Materials Chemistry</i> , 2010, 20, 7630.	6.7	96
2	Polypyrrole coating doped by molybdo-phosphate anions for corrosion prevention of carbon steels. <i>Journal of Solid State Electrochemistry</i> , 2006, 10, 714-720.	2.5	33
3	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. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17787-17799.	10.3	28
4	A Superhydrophilic Aluminum Surface with Fast Water Evaporation Based on Anodic Alumina Bundle Structures via Anodizing in Pyrophosphoric Acid. <i>Materials</i> , 2019, 12, 3497.	2.9	24
5	Study of Deuterium Isotope Separation by PEFC. <i>Journal of the Electrochemical Society</i> , 2016, 163, F704-F707.	2.9	22
6	Deuterium isotope separation by combined electrolysis fuel cell. <i>Energy</i> , 2018, 149, 98-104.	8.8	22
7	Holographic interferometric microscopy for measuring Cu ²⁺ concentration profile during Cu electrodeposition in a magnetic field. <i>Electrochimica Acta</i> , 2019, 297, 1104-1108.	5.2	22
8	Al electroplating on the AZ121 Mg alloy in an EMIC-AlCl ₃ ionic liquid containing ethylene glycol. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 3423-3427.	2.5	21
9	Recovery of aluminum from oxide particles in aluminum dross using AlF ₃ -NaF-BaCl ₂ molten salt. <i>Journal of Applied Electrochemistry</i> , 2005, 35, 925-930.	2.9	19
10	Electroplating of Al-Zr alloys in AlCl ₃ -NaCl-KCl molten salts to improve corrosion resistance of Al. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 3485-3489.	2.5	18
11	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
12	Effect of a high magnetic field on aluminum electrodeposition using an ionic liquid. <i>Electrochemistry Communications</i> , 2020, 115, 106733.	4.7	17
13	Electrodeposition of Al-Cr-Ni Layer by Pulse Electrolysis in AlCl ₃ -EMIC Molten Salt. <i>Electrochemistry</i> , 2005, 73, 739-741.	1.4	16
14	Hydrogen isotope separation with an alkaline membrane fuel cell. <i>Electrochemistry Communications</i> , 2016, 70, 5-7.	4.7	15
15	Overview over studies of electrodeposition of Al or Al alloys from low temperature chloroaluminate molten salts. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 641-647.	2.5	15
16	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
17	Recovery of Aluminum Alloy from Aluminum Dross by Treatment of Chloride-Fluoride Mixture Melt. <i>Nippon Kinzoku Gakkaishi</i> /Journal of the Japan Institute of Metals, 1999, 63, 279-283.	0.4	11
18	Polypyrrole Coating on Zinc for Corrosion Prevention of Zinc-coated Steels. <i>ISIJ International</i> , 2007, 47, 151-156.	1.4	10

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19	Novel PEFC Application for Deuterium Isotope Separation. <i>Materials</i> , 2017, 10, 303.	2.9	8
20	Communication“Deuterium Isotope Separation by Solid Polymer Electrolyte Water Electrolysis. <i>Journal of the Electrochemical Society</i> , 2019, 166, F566-F568.	2.9	8
21	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
22	Measurement of deuterium isotope separation by polymer electrolyte fuel cell stack. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 1851-1856.	7.1	8
23	Al Film Electrodeposition from the $AlCl_3$ -EMIC Electrolyte under a Magnetic Field. <i>Journal of the Electrochemical Society</i> , 2017, 164, H5165-H5168.	2.9	7
24	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
25	Electrodeposition of Sb-Te Alloy in $AlCl_3$ -NaCl-KCl Molten Salt. <i>Materials Transactions</i> , 2008, 49, 1720-1722.	1.2	6
26	Electrorefining reaction of sodium in sodium-bis(trifluoromethylsulfonyl)imide and tetraethylammonium-bis(trifluoromethylsulfonyl)imide mixture ionic liquid. <i>Electrochimica Acta</i> , 2013, 100, 265-268.	5.2	6
27	Solubility of CaS in Molten $CaCl_2$. <i>Materials Transactions</i> , 2019, 60, 386-390.	1.2	6
28	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
29	Solubility of CaS in $CaCl_2$ -LiCl Eutectic Melt. <i>Materials Transactions</i> , 2019, 60, 411-415.	1.2	5
30	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
31	Corrosion Behavior of SUS 304L Steel in pH 13 NaOH Solution. <i>Electrochemistry</i> , 2020, 88, 468-474.	1.4	5
32	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
33	Ion-Exchange Treatment of Glass Surface in $NaNO_3$ - $TiNO_3$ Molten Salt. <i>Electrochemistry</i> , 2009, 77, 709-712.	1.4	3
34	Formation of Gloss Al Electroplating in 1-ethyl-3-methylimidazolium chloride- $AlCl_3$ Ionic Liquid Containing 1,10-Phenanthroline. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2017, 68, 208-212.	0.2	3
35	Effect of alkaline fuel cell catalyst on deuterium isotope separation. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 6745-6750.	7.1	3
36	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

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37	Improvement of Chlorine Electrode in Al-Cl ₂ Cell in NaCl-KCl Melt by Rotation. <i>Electrochemistry</i> , 1999, 67, 695-699.	1.4	3
38	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
39	Electrodeposition of Bi-Sb-Te Alloys by Pulse Electrolysis in AlCl ₃ -NaCl-KCl Molten Salt. <i>Electrochemistry</i> , 2009, 77, 659-662.	1.4	2
40	Output Characteristics of a Circular Cone Type Graphite Cathode for Al-Cl ₂ Fuel Cells in AlCl ₃ -EMIC Ionic Liquid. <i>Zeitschrift Fur Physikalische Chemie</i> , 2014, 228, .	2.8	2
41	Development of new production processes for aluminum. <i>Keikinzoku/Journal of Japan Institute of Light Metals</i> , 2019, 69, 15-21.	0.4	2
42	Diffusion of Tl Ions into Glass Treated by Molten Salt Ion Exchange and Hydrogen Reduction. <i>Materials Transactions</i> , 2012, 53, 575-577.	1.2	1
43	Output Properties of an Al-Cl ₂ Cell in AlCl ₃ -EMIC Ionic Liquid. <i>Zeitschrift Fur Physikalische Chemie</i> , 0, , 130521063025004.	2.8	1
44	Utilization of Ionic Liquids as an Electrolyte for Electrodeposition of Metal and Metal Alloys. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2016, 67, 70-73.	0.2	1
45	Adhesivity of Al Electroplated Films on Mg-Al-Zn Alloys with an Al-Mg Intermetallic Compound Focus. <i>Electrochemistry</i> , 2018, 86, 66-68.	1.4	1
46	Removal of Ca and K from Metallic Na in TFSI Ionic Liquids Using an Exchange Reaction. <i>Journal of the Electrochemical Society</i> , 2018, 165, D94-D97.	2.9	1
47	Behavior of Silver Electrode in AlCl ₃ -NaCl-AgCl Melt. <i>Electrochemistry</i> , 2005, 73, 736-738.	1.4	1
48	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. <i>Electrochemistry</i> , 2018, 86, 69-71.	1.4	0
49	<i>In-situ</i> Observation of Initial Electrodeposition Process by High Speed AFM. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2018, 69, 7-9.	0.2	0
50	Electrodeposition of Al-Mn-Zn alloys in AlCl ₃ -NaCl-KCl molten salt containing MnCl ₂ and ZnCl ₂ . <i>Keikinzoku/Journal of Japan Institute of Light Metals</i> , 2019, 69, 42-45.	0.4	0
51	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
52	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
53	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