Sang-Eun Bae

List of Publications by Year
in descending order

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		566801	433756
51	987	15	31
papers	citations	h-index	g-index

51	51	51	1110
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Investigation of dissolution behavior of SrO in molten LiCl-KCl salts for heat reduction of used nuclear fuel. Journal of Nuclear Materials, 2022, 562, 153615.	1.3	4
2	Selective removal of radioactive iodine from water using reusable Fe@Pt adsorbents. Water Research, 2022, 222, 118864.	5.3	17
3	Dissolution behavior of SrO into molten LiCl for heat reduction in used nuclear fuel. Nuclear Engineering and Technology, 2021, 53, 1534-1539.	1.1	5
4	Review of the development in determination of 129I amount and the isotope ratio of 129I/127I using mass spectrometric measurements. Microchemical Journal, 2021, 169, 106476.	2.3	6
5	Wireless simultaneous measurement system for liquid level and density using dynamic bubbler technique: Application to KNO3 molten salts. Journal of Industrial and Engineering Chemistry, 2020, 82, 57-62.	2.9	4
6	Anisotropic lattice thermal expansion of uranium-based metallic fuels: A high-temperature X-ray diffraction study. Journal of Nuclear Materials, 2019, 527, 151803.	1.3	6
7	Constituent analysis of metal and metal oxide in reduced SIMFuel using bromine-ethyl acetate. Journal of Radioanalytical and Nuclear Chemistry, 2018, 316, 1253-1259.	0.7	7
8	Co-electrodeposition of U and Mo from a LiCl-KCl melt. Journal of Nuclear Materials, 2018, 499, 98-106.	1.3	2
9	Electrochemical Formation of Divalent Samarium Cation and Its Characteristics in LiClâ€“KCl Melt. Inorganic Chemistry, 2018, 57, 8299-8306.	1.9	32
10	Automated high-temperature liquid level measurement system using a dynamic tube pressure technique. Journal of Industrial and Engineering Chemistry, 2017, 49, 30-35.	2.9	15
11	The Combined Influence of Gadolinium Doping and Non-stoichiometry on the Structural and Electrochemical Properties of Uranium Dioxide. Electrochimica Acta, 2017, 247, 942-948.	2.6	13
12	Electrochemical and Spectroscopic Monitoring of Interactions of Oxide Ion with U (III) and Ln (III) (Ln) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.3	13
13	Investigation of the Electrochemical Behavior of Ytterbium Cations in LiCl-KCl Melt Using Spectro-Electrochemical Methods. Journal of the Electrochemical Society, 2016, 163, H115-H118.	1.3	8
14	Electrochemical preparation and spectroelectrochemical study of neptunium chloride complexes in LiClâ€“KCl eutectic melts. Journal of Radioanalytical and Nuclear Chemistry, 2016, 308, 31-36.	0.7	11
15	On the covalency of U(III)â€“Cl, U(IV)â€“Cl bonding in a LiClâ€“KCl eutectic melt at 450Â°C: Spectroscopic evidences from their 5fâ€“6d and 5fâ€“5f electronic transitions. Microchemical Journal, 2015, 122, 33-38.	2.3	11
16	Liquid Level Measurement by the Detection of Abrupt Pressure Changes in a Tube in Contact with a Liquid Surface. Journal of Nuclear Fuel Cycle and Waste Technology, 2015, 13, 39-44.	0.1	8
17	Real-time monitoring of metal ion concentration in LiClâ€“KCl melt using electrochemical techniques. Microchemical Journal, 2014, 114, 261-265.	2.3	22
18	Electrochemical Reactions of Uranium Trichloride on a Graphene Surface in LiCl-KCl Molten Salt. Electrochemistry, 2014, 82, 462-466.	0.6	7

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19	Stability of Electrode Materials During Electrolysis in LiCl-KCl Melt. Asian Journal of Chemistry, 2014, 26, 4059-4062.	0.1	1
20	Spectroscopic analysis of trivalent cerium and holmium ions in LiClâ€“KCl eutectic melt at high temperature. Journal of Luminescence, 2013, 134, 706-709.	1.5	6
21	Solubility Measurement of Li2O in LiCl Molten Salt for Electro-Reduction Process. Asian Journal of Chemistry, 2013, 25, 7055-7057.	0.1	10
22	Mass Change of Ruthenium Oxide During Methanol Oxidation. Asian Journal of Chemistry, 2013, 25, 7000-7002.	0.1	0
23	Electrical Conductivity Measurement of Molten Salts Using a Two-Electrode Alternative Current Impedance Method. Asian Journal of Chemistry, 2013, 25, 7028-7030.	0.1	4
24	Electrochemical Reactivity of Chemically Roughened Tungsten Electrodes. Asian Journal of Chemistry, 2013, 25, 7037-7040.	0.1	3
25	Size Effects in Monolayer Catalysisâ€”Model Study: Pt Submonolayers on Au(111). Electrocatalysis, 2012, 3, 203-210.	1.5	38
26	A study on time-dependent low temperature power performance of a lithium-ion battery. Journal of Power Sources, 2012, 198, 273-280.	4.0	101
27	Electronic Structure of U (III) and U (IV) Ions in a LiClâ€“KCl eutectic melt at 450 Â°C. Microchemical Journal, 2012, 102, 18-22.	2.3	10
28	High-Temperature Viscosity Measurement of LiCl-KCl Molten Salts Comprising Actinides and Lanthanides. Bulletin of the Korean Chemical Society, 2012, 33, 3871-3874.	1.0	11
29	UVâ€“vis absorption spectroscopic study for on-line monitoring of uranium concentration in LiClâ€“KCl eutectic salt. Microchemical Journal, 2011, 99, 170-173.	2.3	16
30	Reaction kinetics of metal deposition via surface limited red-ox replacement of underpotentially deposited metal monolayers. Electrochimica Acta, 2011, 56, 5545-5553.	2.6	54
31	Aluminum assisted electrodeposition of europium in LiClâ€“KCl molten salt. Electrochimica Acta, 2010, 55, 3022-3025.	2.6	46
32	Electronic absorption spectra of U (III) ion in a LiClâ€“KCl eutectic melt at 450 Â°C. Microchemical Journal, 2010, 96, 344-347.	2.3	12
33	Oxidation State Shift of Uranium during U(III) Synthesis with Cd(II) and Bi(III) in LiClâ€“KCl Melt. Electrochemical and Solid-State Letters, 2010, 13, F25.	2.2	18
34	Stoichiometry of Pt Submonolayer Deposition via Surface-Limited Redox Replacement Reaction. Journal of the Electrochemical Society, 2010, 157, D582.	1.3	78
35	Electrochemical Behavior of UCl3and GdCl3in LiCl-KCl Molten Salt. Journal of the Korean Electrochemical Society, 2009, 12, 276-281.	0.1	2
36	Electrochemical Transducers - A New Approach to Ultrasound Sensor Design. ECS Transactions, 2008, 11, 15-23.	0.3	3

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37	The effect of Fe3+ on magnetic moment of electrodeposited CoFe alloysâ€"Experimental study and analytical model. Electrochimica Acta, 2008, 53, 5934-5940.	2.6	33
38	In situ EC-STM studies of n-Si(111):H in 40% NH4F solution at pH 10. Electrochimica Acta, 2008, 53, 6178-6183.	2.6	2
39	Slow etching of triangular pits on atomically flat monohydride terminated Si(111) surface in 40% NH4F solution. Surface Science, 2008, 602, 1185-1190.	0.8	0
40	EC-STM studies on copper electrodeposition at n-Si(111):H electrodes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 313-314, 339-342.	2.3	4
41	Etching of n-Si(111) in 40% NH4F Solution Investigated by OCP, In Situ EC-STM, and ATR-FTIR Spectroscopic Methods. Journal of Physical Chemistry C, 2008, 112, 1533-1538.	1.5	8
42	Electrochemical Synthesis and Nanofabrication of Materials for Magnetic and Ultrasound Sensors Application. , 2008, , .		0
43	Sulfur and Saccharin Incorporation into Electrodeposited CoFe Alloys: Consequences for Magnetic and Corrosion Properties. Journal of the Electrochemical Society, 2008, 155, D589.	1.3	20
44	Differential reactivity of Cu(111) and Cu(100) during nitratereduction in acid electrolyte. Faraday Discussions, 2008, 140, 113-123.	1.6	37
45	Nitrate Adsorption and Reduction on Cu(100) in Acidic Solution. Journal of the American Chemical Society, 2007, 129, 10171-10180.	6.6	179
46	In Situ EC-STM Studies of MPS, SPS, and Chloride on Cu(100):â€‰ Structural Studies of Accelerators for Dual Damascene Electrodeposition. Langmuir, 2006, 22, 10315-10321.	1.6	54
47	Charge transfer through interfacial water inside an STM junction. Electrochimica Acta, 2005, 50, 4230-4233.	2.6	8
48	Charge Transfer through Thin Layers of Water Investigated by STM, AFM, and QCM. Langmuir, 2002, 18, 2780-2784.	1.6	33
49	Electropolymerization of Pyrrole Applied to Biosystem. Journal of the Korean Electrochemical Society, 2002, 5, 202-208.	0.1	2
50	Polypyrrole Patterns Formed During Electropolymerization of Pyrrole at Gold Surfaces in Potassium Chloride Electrolyte Solutions. Molecular Crystals and Liquid Crystals, 2000, 349, 359-362.	0.3	3
51	Potential Dependence of Electrochemical Etching Reaction of Si(111) Surface in a Fluoride Solution Studied by Electrochemical and Scanning Tunneling Microscopic Techniques. Journal of Electrochemical Science and Technology, 0, , .	0.9	0