

Rika Hagiwara

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342 papers	9,162 citations	49 h-index	80 g-index
375 ext. papers	10,027 ext. citations	5.1 avg, IF	6.34 L-index

#	Paper	IF	Citations
342	Room temperature ionic liquids of alkylimidazolium cations and fluoroanions. <i>Journal of Fluorine Chemistry</i> , 2000 , 105, 221-227	2.1	688
341	A new structure model of graphite oxide. <i>Carbon</i> , 1988 , 26, 357-361	10.4	345
340	Application of Low-Viscosity Ionic Liquid to the Electrolyte of Double-Layer Capacitors. <i>Journal of the Electrochemical Society</i> , 2003 , 150, A499	3.9	290
339	Novel aspects of graphite intercalation by fluorine and fluorides and new B/C, C/N and B/C/N materials based on the graphite network. <i>Synthetic Metals</i> , 1989 , 34, 1-7	3.6	189
338	The Application of Room Temperature Molten Salt with Low Viscosity to the Electrolyte for Dye-Sensitized Solar Cell. <i>Chemistry Letters</i> , 2001 , 30, 26-27	1.7	176
337	On the so-called semi-ionic C-F bond character in fluorine-terminated CFC. <i>Carbon</i> , 2004 , 42, 3243-3249	10.4	164
336	Ionic Liquids for Electrochemical Devices. <i>Electrochemistry</i> , 2007 , 75, 23-34	1.2	151
335	Acidic 1-ethyl-3-methylimidazolium fluoride: a new room temperature ionic liquid. <i>Journal of Fluorine Chemistry</i> , 1999 , 99, 1-3	2.1	147
334	A Highly Conductive Room Temperature Molten Fluoride: EMIF ₂ ·3HF. <i>Journal of the Electrochemical Society</i> , 2002 , 149, D1	3.9	144
333	Physicochemical Properties of 1,3-Dialkylimidazolium Fluorohydrogenate Room-Temperature Molten Salts. <i>Journal of the Electrochemical Society</i> , 2003 , 150, D195	3.9	129
332	NaFSA/C3pyrFSA ionic liquids for sodium secondary battery operating over a wide temperature range. <i>Journal of Power Sources</i> , 2013 , 238, 296-300	8.9	117
331	Direct electrolytic reduction of solid SiO ₂ in molten CaCl ₂ for the production of solar grade silicon. <i>Electrochimica Acta</i> , 2007 , 53, 106-110	6.7	104
330	Syntheses, structures and properties of 1-ethyl-3-methylimidazolium salts of fluorocomplex anions. <i>Dalton Transactions</i> , 2004 , 144-9	4.3	102
329	Thermal Properties of Mixed Alkali Bis(trifluoromethylsulfonyl)amides. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 355-358	2.8	100
328	Thermal and Transport Properties of Na[N(SO ₂ F) ₂][N-Methyl-N-propylpyrrolidinium][N(SO ₂ F) ₂] Ionic Liquids for Na Secondary Batteries. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 7648-7655	3.8	93
327	A Fluorohydrogenate Ionic Liquid Fuel Cell Operating Without Humidification. <i>Electrochemical and Solid-State Letters</i> , 2005 , 8, A231		93
326	Na[FSA]-[C3C1pyrr][FSA] ionic liquids as electrolytes for sodium secondary batteries: Effects of Na ion concentration and operation temperature. <i>Journal of Power Sources</i> , 2014 , 269, 124-128	8.9	92

325	Intermediate-temperature ionic liquid NaFSA-KFSA and its application to sodium secondary batteries. <i>Journal of Power Sources</i> , 2012 , 209, 52-56	8.9	91
324	Advances in sodium secondary batteries utilizing ionic liquid electrolytes. <i>Energy and Environmental Science</i> , 2019 , 12, 3247-3287	35.4	88
323	Electrochemical and structural investigation of NaCrO ₂ as a positive electrode for sodium secondary battery using inorganic ionic liquid NaFSA-KFSA. <i>Journal of Power Sources</i> , 2013 , 237, 52-57	8.9	84
322	Charge/Discharge Properties of a Sn ₄ P ₃ Negative Electrode in Ionic Liquid Electrolyte for Na-Ion Batteries. <i>ACS Energy Letters</i> , 2017 , 2, 1139-1143	20.1	83
321	A Room-Temperature Molten Hydrate Electrolyte for Rechargeable Zinc-Air Batteries. <i>Advanced Energy Materials</i> , 2019 , 9, 1900196	21.8	78
320	Novel inorganic ionic liquids possessing low melting temperatures and wide electrochemical windows: Binary mixtures of alkali bis(fluorosulfonyl)amides. <i>Electrochemistry Communications</i> , 2008 , 10, 1886-1888	5.1	75
319	Charge/Discharge behavior of tin negative electrode for a sodium secondary battery using intermediate temperature ionic liquid sodium bis(fluorosulfonyl)amide-potassium bis(fluorosulfonyl)amide. <i>Journal of Power Sources</i> , 2012 , 217, 479-484	8.9	73
318	Optical properties of zinc nitride formed by molten salt electrochemical process. <i>Thin Solid Films</i> , 2005 , 492, 88-92	2.2	73
317	Structural characteristics of alkylimidazolium-based salts containing fluoroanions. <i>Journal of Fluorine Chemistry</i> , 2007 , 128, 317-331	2.1	70
316	The Na[FSA][C ₂ C ₁ im][FSA] (C ₂ C ₁ im+:1-ethyl-3-methylimidazolium and FSA=bis(fluorosulfonyl)amide) ionic liquid electrolytes for sodium secondary batteries. <i>Journal of Power Sources</i> , 2014 , 265, 36-39	8.9	66
315	Pyrophosphate Na ₂ FeP ₂ O ₇ as a low-cost and high-performance positive electrode material for sodium secondary batteries utilizing an inorganic ionic liquid. <i>Journal of Power Sources</i> , 2014 , 246, 783-787	8.9	66
314	A safe and high-rate negative electrode for sodium-ion batteries: Hard carbon in NaFSA-C ₁ C ₃ pyrFSA ionic liquid at 363 K. <i>Journal of Power Sources</i> , 2014 , 246, 387-391	8.9	66
313	Room-Temperature Ionic Liquids with High Conductivities and Wide Electrochemical Windows. <i>Electrochemical and Solid-State Letters</i> , 2004 , 7, E41		65
312	Silicon-Air batteries. <i>Electrochemistry Communications</i> , 2009 , 11, 1916-1918	5.1	64
311	Crystal structures of frozen room temperature ionic liquids, 1-ethyl-3-methylimidazolium tetrafluoroborate (EMImBF ₄), hexafluoronitrate (EMImNbF ₆) and hexafluorotantalate (EMImTaF ₆), determined by low-temperature X-ray diffraction. <i>Solid State Sciences</i> , 2006 , 8, 1250-1257	3.4	64
310	Na ₂ MnSiO ₄ as a positive electrode material for sodium secondary batteries using an ionic liquid electrolyte. <i>Electrochemistry Communications</i> , 2014 , 45, 63-66	5.1	63
309	Electrochemical properties of alkali bis(trifluoromethylsulfonyl)amides and their eutectic mixtures. <i>Electrochimica Acta</i> , 2010 , 55, 1113-1119	6.7	63
308	Novel composite electrolyte membranes consisting of fluorohydrogenate ionic liquid and polymers for the unhumidified intermediate temperature fuel cell. <i>Journal of Power Sources</i> , 2007 , 171, 535-539	8.9	59

307	Room temperature molten fluorometallates: 1-ethyl-3-methylimidazolium hexafluoronioate(V) and hexafluorotantalate(V). <i>Journal of Fluorine Chemistry</i> , 2002 , 115, 133-135	2.1	59
306	A rechargeable lithium metal battery operating at intermediate temperatures using molten alkali bis(trifluoromethylsulfonyl)amide mixture as an electrolyte. <i>Journal of Power Sources</i> , 2008 , 183, 724-729	8.9	58
305	Ionic liquid electrolytes with high sodium ion fraction for high-rate and long-life sodium secondary batteries. <i>Journal of Power Sources</i> , 2016 , 332, 51-59	8.9	58
304	Properties of an intermediate temperature ionic liquid NaTFSAl ⁺ STFSA and charge/discharge properties of NaCrO ₂ positive electrode at 423K for a sodium secondary battery. <i>Journal of Power Sources</i> , 2012 , 205, 506-509	8.9	56
303	Electrochemical performance of hard carbon negative electrodes for ionic liquid-based sodium ion batteries over a wide temperature range. <i>Electrochimica Acta</i> , 2015 , 176, 344-349	6.7	55
302	Structural characteristics of 1-ethyl-3-methylimidazolium bifluoride: HF-deficient form of a highly conductive room temperature molten salt. <i>Solid State Sciences</i> , 2002 , 4, 23-26	3.4	55
301	Diagrammatic Representation of Direct Electrolytic Reduction of SiO ₂ in Molten CaCl ₂ . <i>Journal of the Electrochemical Society</i> , 2007 , 154, E95	3.9	54
300	Effects of alkyl chain length on properties of 1-alkyl-3-methylimidazolium fluorohydrogenate ionic liquid crystals. <i>Chemistry - A European Journal</i> , 2010 , 16, 12970-6	4.8	53
299	Charge/discharge behavior of a Na ₂ FeP ₂ O ₇ positive electrode in an ionic liquid electrolyte between 253 and 363 K. <i>Electrochimica Acta</i> , 2014 , 133, 583-588	6.7	52
298	Coordination environment around the lithium cation in solid Li ₂ (EMIm)(N(SO ₂ CF ₃) ₂) ₃ (EMIm = 1-ethyl-3-methylimidazolium): Structural clue of ionic liquid electrolytes for lithium batteries. <i>Solid State Sciences</i> , 2006 , 8, 1103-1107	3.4	52
297	Thermal Properties of Alkali Bis(fluorosulfonyl)amides and Their Binary Mixtures. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 3142-3146	2.8	51
296	The effect of the anion fraction on the physicochemical properties of EMIm(HF) _n F (n = 1.0-2.6). <i>Journal of Physical Chemistry B</i> , 2005 , 109, 5445-9	3.4	51
295	Electrochemical formation of Dy-Ni alloys in molten NaCl-KCl-DyCl ₃ . <i>Electrochimica Acta</i> , 2013 , 106, 293-300	6.7	50
294	Short-range structures of poly(dicarbon monofluoride) (C ₂ F) _n and poly(carbon monofluoride) (CF) _n . <i>Carbon</i> , 2004 , 42, 2897-2903	10.4	50
293	The preparation of planar-sheet graphite fluorides C _x F with x Journal of the Chemical Society Chemical Communications, 1989 , 573		47
292	Solvents effects on electrochemical characteristics of graphite fluoride-lithium batteries. <i>Electrochimica Acta</i> , 1982 , 27, 1615-1619	6.7	46
291	Physicochemical and Electrochemical Properties of K[N(SO ₂ F) ₂][N-Methyl-N-propylpyrrolidinium][N(SO ₂ F) ₂] Ionic Liquids for Potassium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 18450-18458	3.8	45
290	Ionization state and ion migration mechanism of room temperature molten dialkylimidazolium fluorohydrogenates. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 2942-8	3.4	44

289	Silicon Electrodeposition in Water-Soluble KFeCl_4 Molten Salt: Investigations on the Reduction of Si(IV) Ions. <i>Journal of the Electrochemical Society</i> , 2015 , 162, D444-D448	3.9	42
288	Electrochemical formation of Nd-Ni alloys in molten NaCl-KCl-NdCl_3 . <i>Electrochimica Acta</i> , 2013 , 92, 349-355	6.7	41
287	?????????????????????????????????????. <i>Electrochemistry</i> , 2002 , 70, 130-134	1.2	41
286	Electrolytic Synthesis of Ammonia from Water and Nitrogen under Atmospheric Pressure Using a Boron-Doped Diamond Electrode as a Nonconsumable Anode. <i>Electrochemical and Solid-State Letters</i> , 2007 , 10, E4		40
285	Electrolytic Reduction of a Powder-Molded SiO_2 Pellet in Molten CaCl_2 and Acceleration of Reduction by Si Addition to the Pellet. <i>Journal of the Electrochemical Society</i> , 2005 , 152, D232	3.9	40
284	Electrochemical Formation of Nd-Ni Alloys in Molten $\text{LiF-CaF}_2\text{-NdF}_3$. <i>Journal of the Electrochemical Society</i> , 2011 , 158, E142	3.9	39
283	Precipitation of Rare Earth Compounds in LiCl-KCl Eutectic. <i>Journal of the Electrochemical Society</i> , 1995 , 142, 2174-2178	3.9	38
282	A Lithium / C_2F_6 Primary Battery. <i>Journal of the Electrochemical Society</i> , 1988 , 135, 2393-2394	3.9	38
281	Stability of Ionic Liquids against Sodium Metal: A Comparative Study of 1-Ethyl-3-methylimidazolium Ionic Liquids with Bis(fluorosulfonyl)amide and Bis(trifluoromethylsulfonyl)amide. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 9628-9636	3.8	38
280	Spontaneous oxidation of xenon to Xe(II) by cationic Ag(II) in anhydrous hydrogen fluoride solutions. <i>Journal of the American Chemical Society</i> , 1990 , 112, 4846-4849	16.4	37
279	Performance validation of sodium-ion batteries using an ionic liquid electrolyte. <i>Journal of Applied Electrochemistry</i> , 2016 , 46, 487-496	2.6	36
278	Formation of Si Nanowires by Direct Electrolytic Reduction of Porous SiO_2 Pellets in Molten CaCl_2 . <i>Journal of the Electrochemical Society</i> , 2011 , 158, E55	3.9	36
277	Discharge reaction and overpotential of the graphite fluoride cathode in a nonaqueous lithium cell. <i>Journal of Power Sources</i> , 1987 , 20, 87-92	8.9	36
276	Effects of the cationic structures of fluorohydrogenate ionic liquid electrolytes on the electric double layer capacitance. <i>Journal of Power Sources</i> , 2010 , 195, 4414-4417	8.9	35
275	Halofluorination of alkenes with ionic liquid EMIMF(HF)_2 . <i>Journal of Fluorine Chemistry</i> , 2004 , 125, 455-458	4.5	35
274	A highly conductive composite electrolyte consisting of polymer and room temperature molten fluorohydrogenates. <i>Solid State Ionics</i> , 2002 , 149, 295-298	3.3	35
273	Structural and magnetic properties of some AgF^+ Salts. <i>Journal of Solid State Chemistry</i> , 1992 , 96, 84-96	3.3	35
272	Electrochemical performance of $\text{Na}_2\text{Ti}_3\text{O}_7/\text{C}$ negative electrode in ionic liquid electrolyte for sodium secondary batteries. <i>Journal of Power Sources</i> , 2017 , 354, 10-15	8.9	34

- 271 Physicochemical properties and plastic crystal structures of phosphonium fluorohydrogenate salts. *Physical Chemistry Chemical Physics*, **2011**, 13, 12536-44 3.6 34
- 270 Electrochemically stable fluorohydrogenate ionic liquids based on quaternary phosphonium cations. *Electrochemistry Communications*, **2009**, 11, 1312-1315 5.1 34
- 269 Reversible intercalation of HF in fluorine-graphite intercalation compounds. *Carbon*, **2003**, 41, 351-357 10.4 34
- 268 Discharge Characteristics of Poly(Carbon Monofluoride) Prepared from the Residual Carbon Obtained by Thermal Decomposition of Poly(Dicarbon Monofluoride) and Graphite Oxide. *Journal of the Electrochemical Society*, **1986**, 133, 1761-1766 3.9 34
- 267 Full Utilization of Superior Charge-Discharge Characteristics of Na_{1.56}Fe_{1.22}P₂O₇ Positive Electrode by Using Ionic Liquid Electrolyte. *Journal of the Electrochemical Society*, **2015**, 162, A176-A180 3.9 33
- 266 Ternary Phase Diagrams of Alkali Bis(trifluoromethylsulfonyl)amides. *Journal of Chemical & Engineering Data*, **2008**, 53, 2144-2147 2.8 33
- 265 Room Temperature Magnesium Electrodeposition from Glyme-Coordinated Ammonium Amide Electrolytes. *Journal of the Electrochemical Society*, **2015**, 162, D389-D396 3.9 32
- 264 A high-capacity TiO₂/C negative electrode for sodium secondary batteries with an ionic liquid electrolyte. *Journal of Materials Chemistry A*, **2015**, 3, 20767-20771 13 32
- 263 New inorganic ionic liquids possessing low melting temperatures and wide electrochemical windows: Ternary mixtures of alkali bis(fluorosulfonyl)amides. *Electrochimica Acta*, **2012**, 66, 320-324 6.7 31
- 262 Improved cyclability of Sn-Cu film electrode for sodium secondary battery using inorganic ionic liquid electrolyte. *Electrochimica Acta*, **2014**, 135, 60-67 6.7 31
- 261 Thermal Properties of Ionic Liquid + Water Binary Systems Applied to Heat Pipes. *Journal of Chemical & Engineering Data*, **2011**, 56, 1840-1846 2.8 31
- 260 Electrochemical Formation of Dy-Ni Alloys in Molten LiF-CaF₂-DyF₃. *Journal of the Electrochemical Society*, **2012**, 159, E193-E197 3.9 31
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- 258 The structures of alkylimidazolium fluorohydrogenate molten salts studied by high-energy X-ray diffraction. *Journal of Non-Crystalline Solids*, **2002**, 312-314, 414-418 3.9 31
- 257 Kinetic Study of Discharge Reaction of Lithium-Graphite Fluoride Cell. *Journal of the Electrochemical Society*, **1988**, 135, 2128-2133 3.9 31
- 256 A mild ring opening fluorination of epoxide with ionic liquid 1-ethyl-3-methylimidazolium oligo hydrogenfluoride (EMIMF(HF)_{2.3}). *Journal of Fluorine Chemistry*, **2004**, 125, 1127-1129 2.1 30
- 255 Na₃V₂(PO₄)₃/C Positive Electrodes with High Energy and Power Densities for Sodium Secondary Batteries with Ionic Liquid Electrolytes That Operate across Wide Temperature Ranges. *Advanced Sustainable Systems*, **2018**, 2, 1700171 5.9 29
- 254 A new series of ionic liquids based on the difluorophosphate anion. *Inorganic Chemistry*, **2009**, 48, 7350-7351 5.1 29

253	Structural analysis of 1-ethyl-3-methylimidazolium bifluoride melt. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003 , 199, 29-33	1.2	29
252	Na ₃ V ₂ (PO ₄) ₃ @Carbon Nanofibers: High Mass Loading Electrode Approaching Practical Sodium Secondary Batteries Utilizing Ionic Liquid Electrolytes. <i>ACS Applied Energy Materials</i> , 2019 , 2, 2818-2827	6.1	28
251	Crystalline maricite NaFePO ₄ as a positive electrode material for sodium secondary batteries operating at intermediate temperature. <i>Journal of Power Sources</i> , 2018 , 377, 80-86	8.9	28
250	On the Relation Between the Overpotentials and Structures of Graphite Fluoride Electrode in Nonaqueous Lithium Cell. <i>Journal of the Electrochemical Society</i> , 1984 , 131, 1980-1984	3.9	28
249	The structural classification of the highly disordered crystal phases of [Nn][BF ₄], [Nn][PF ₆], [Pn][BF ₄], and [Pn][PF ₆] salts (Nn(+) = tetraalkylammonium and Pn(+) = tetraalkylphosphonium). <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 23616-26	3.6	27
248	Phase behavior of 1-dodecyl-3-methylimidazolium fluorohydrogenate salts (C ₁₂ MIm(FH)(n)F, n = 1.0-2.3) and their anisotropic ionic conductivity as ionic liquid crystal electrolytes. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 10106-12	3.4	27
247	Electrolytic Reduction of SiO ₂ Granules in Molten CaCl ₂ . <i>Electrochemistry</i> , 2013 , 81, 559-565	1.2	27
246	Electrochemical Formation of Pr-Ni Alloys in LiF-AlF ₃ -BF ₃ and NaCl-KCl-BrCl ₃ Melts. <i>Journal of the Electrochemical Society</i> , 2014 , 161, D3097-D3104	3.9	26
245	Dissolution Behavior of Lithium Oxide in Molten LiCl-KCl Systems. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 2816-2819	2.8	26
244	Electrodeposition of Si Thin Film in a Hydrophobic Room-Temperature Molten Salt. <i>Electrochemical and Solid-State Letters</i> , 2008 , 11, D75		26
243	Hexafluoro-, heptafluoro-, and octafluoro-salts, and [MnF ₅ n+1][F _n (n = 2, 3, 4) polyfluorometallates of singly charged metal cations, Li ⁺ , Cs ⁺ , Cu ⁺ , Ag ⁺ , In ⁺ and Tl ⁺ . <i>Journal of Fluorine Chemistry</i> , 2007 , 128, 423-437	2.1	25
242	Improved Electrochemical Performance of NaVOPO ₄ Positive Electrodes at Elevated Temperature in an Ionic Liquid Electrolyte. <i>Journal of the Electrochemical Society</i> , 2015 , 162, A2093-A2098	3.9	24
241	Polymorphism of alkali bis(fluorosulfonyl)amides (M[N(SO ₂ F) ₂], M = Na, K, and Cs). <i>Inorganic Chemistry</i> , 2013 , 52, 568-76	5.1	24
240	Thermodynamic studies on Sn-Na alloy in an intermediate temperature ionic liquid NaFSA-KFSA at 363 K. <i>Journal of Power Sources</i> , 2013 , 237, 98-103	8.9	24
239	Electrodeposition of tungsten from ZnCl ₂ -NaCl-KCl-FWO ₃ melt and investigation on tungsten species in the melt. <i>Electrochimica Acta</i> , 2010 , 55, 1278-1281	6.7	24
238	Anomalously large formula unit volume and its effect on the thermal behavior of LiBF ₄ . <i>Journal of Physical Chemistry B</i> , 2006 , 110, 2138-41	3.4	24
237	Electric Double Layer Capacitance of Activated Carbon Fibers in Ionic Liquid : EMImBF ₄ . <i>Electrochemistry</i> , 2005 , 73, 593-596	1.2	24
236	Inorganic-Organic Hybrid Ionic Liquid Electrolytes for Na Secondary Batteries. <i>Journal of the Electrochemical Society</i> , 2015 , 162, A1409-A1414	3.9	23

- 235 Ion-Ion Interactions and Conduction Mechanism of Highly Conductive Fluorohydrogenate Ionic Liquids. *Journal of Physical Chemistry C*, **2011**, 115, 4324-4332 3.8 23
- 234 Electrochemical Properties of the Ionic Liquid 1-Ethyl-3-methylimidazolium Difluorophosphate as an Electrolyte for Electric Double-Layer Capacitors. *Journal of the Electrochemical Society*, **2010**, 157, A578 3.9 23
- 233 Silicon Electrodeposition in Water-Soluble KPF_6 Molten Salt: Optimization of Electrolysis Conditions at 923 K. *Journal of the Electrochemical Society*, **2016**, 163, D95-D99 3.9 23
- 232 Thermal, Physical, and Electrochemical Properties of $\text{Li}[\text{N}(\text{SO}_2\text{F})_2]\text{-}[1\text{-Ethyl-3-methylimidazolium}][\text{N}(\text{SO}_2\text{F})_2]$ Ionic Liquid Electrolytes for Li Secondary Batteries Operated at Room and Intermediate Temperatures. *Journal of Physical Chemistry C*, **2017**, 121, 9209-9219 3.8 22
- 231 Vanadium phosphide-phosphorus composite as a high-capacity negative electrode for sodium secondary batteries using an ionic liquid electrolyte. *Electrochemistry Communications*, **2019**, 102, 46-51 5.1 22
- 230 Effects of alkyl chain length and anion size on thermal and structural properties for 1-alkyl-3-methylimidazolium hexafluoroaluminum complex salts ($\text{C}(\text{x})\text{MImAF}_6$, $\text{x} = 14, 16$ and 18 ; $\text{A} = \text{P, As, Sb, Nb}$ and Ta). *Dalton Transactions*, **2012**, 41, 3494-502 4.3 22
- 229 Application of Ionic Liquid as K-Ion Electrolyte of Graphite// $\text{K}_2\text{Mn}[\text{Fe}(\text{CN})_6]$ Cell. *ACS Energy Letters*, **2020**, 5, 2849-2857 20.1 22
- 228 Room-Temperature Fluoride Shuttle Batteries Based on a Fluorohydrogenate Ionic Liquid Electrolyte. *ACS Applied Energy Materials*, **2019**, 2, 6153-6157 6.1 21
- 227 Ionic liquid electrolyte for room to intermediate temperature operating Li metal batteries: Dendrite suppression and improved performance. *Journal of Power Sources*, **2020**, 453, 227911 8.9 21
- 226 Effects of alkyl chain length on properties of N-alkyl-N-methylpyrrolidinium fluorohydrogenate ionic liquid crystals. *Journal of Fluorine Chemistry*, **2012**, 135, 344-349 2.1 21
- 225 Charge-discharge Performance of an Ionic Liquid-based Sodium Secondary Battery in a Wide Temperature Range. *Electrochemistry*, **2015**, 83, 91-94 1.2 21
- 224 All solid-state electrochemical capacitors using N,N-dimethylpyrrolidinium fluorohydrogenate as ionic plastic crystal electrolyte. *Journal of Power Sources*, **2014**, 245, 758-763 8.9 21
- 223 Syntheses and Physicochemical Properties of Low-Melting Salts Based on VOF_4 and MoOF_5 and the Molecular Geometries of the Dimeric $(\text{VOF}_4)_2$ and $\text{Mo}_2\text{O}_4\text{F}_6$ Anions. *European Journal of Inorganic Chemistry*, **2010**, 2010, 1049-1055 2.3 21
- 222 Chemistry in heterocyclic ammonium fluorohydrogenate room-temperature ionic liquid. *Journal of Fluorine Chemistry*, **2008**, 129, 4-13 2.1 21
- 221 A new room temperature ionic liquid of oxyfluorometallate anion: 1-Ethyl-3-methylimidazolium oxypentafluorotungstate (EMImWOF_5). *Journal of Fluorine Chemistry*, **2005**, 126, 1095-1100 2.1 21
- 220 Graphite intercalation compounds of lanthanide metals prepared in molten chlorides. *Carbon*, **1996**, 34, 1591-1593 10.4 21
- 219 Symmetric Cell Electrochemical Impedance Spectroscopy of $\text{Na}_2\text{FeP}_2\text{O}_7$ Positive Electrode Material in Ionic Liquid Electrolytes. *Journal of Physical Chemistry C*, **2018**, 122, 26857-26864 3.8 21
- 218 Electrochemical behavior of Sn-Fe alloy film negative electrodes for a sodium secondary battery using inorganic ionic liquid $\text{Na}[\text{FSA}][\text{FSA}]$. *Electrochimica Acta*, **2016**, 211, 234-244 6.7 20

217	Electrochemical Behavior of Magnesium Alloys in Alkali Metal-TFSA Ionic Liquid for Magnesium-Battery Negative Electrode. <i>Journal of the Electrochemical Society</i> , 2014 , 161, A943-A947	3.9	20
216	Kinetic Characteristics of Electrochemical Reduction of SiO ₂ Granules in Molten CaCl ₂ . <i>Journal of the Electrochemical Society</i> , 2014 , 161, D3116-D3119	3.9	20
215	Nonhumidified fuel cell using N-ethyl-N-methylpyrrolidinium fluorohydrogenate ionic liquid-polymer composite membranes. <i>Journal of Power Sources</i> , 2012 , 220, 10-14	8.9	20
214	Highly conductive plastic crystals based on fluorohydrogenate anions. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 955-60	3.4	20
213	Improving Purity and Process Volume During Direct Electrolytic Reduction of Solid SiO ₂ in Molten CaCl ₂ for the Production of Solar-Grade Silicon. <i>Energy Technology</i> , 2013 , 1, 245-252	3.5	20
212	Nonvolatile RTIL-based artificial muscle: actuation mechanism identified by in situ EDX analysis. <i>Chemistry - A European Journal</i> , 2011 , 17, 11122-6	4.8	20
211	Room-Temperature Fluorohydrogenate Ionic Liquids of Alkylpyridinium Cations and Allylated Quarternary Cyclic Ammonium Cations. <i>Electrochemical and Solid-State Letters</i> , 2009 , 12, F9		20
210	Analysis of tungsten film electrodeposited from a ZnCl ₂ -NaCl-KCl melt. <i>Electrochimica Acta</i> , 2007 , 53, 20-23	6.7	20
209	Electric Double Layer Capacitance of Activated Carbon Nanofibers in Ionic Liquid: EMImBF ₄ . <i>Electrochemistry</i> , 2007 , 75, 619-621	1.2	20
208	Direct conversion mechanism of fluorine-18 into poly(carbon monofluoride), (CF). <i>Carbon</i> , 2003 , 41, 1971-1977	10.4	20
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