Rika Hagiwara

List of Publications by Year
in descending order

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351 papers	11,039 citations	34016 52 h-index	51492 86 g-index
375 all docs	375 docs citations	375 times ranked	7695 citing authors

#	Article	IF	Citations
1	Charge-discharge properties and reaction mechanism of cation-disordered rutile-type Li1.2MnFe1.2F6.8. Electrochimica Acta, 2022, 405, 139627.	2.6	4
2	Octaphyrin(1.0.1.0.1.0.1.0) as an Organic Electrode for Li and Na Rechargeable Batteries. Small Methods, 2022, 6, e2101181.	4.6	3
3	Electrochemical and Structural Behavior of Trirutile-Derived FeF₃ During Sodiation and Desodiation. ACS Applied Energy Materials, 2022, 5, 3137-3145.	2.5	4
4	Octaphyrin(1.0.1.0.1.0.1.0) as an Organic Electrode for Li and Na Rechargeable Batteries (Small Methods) Tj ETQq0 0 0 rgBT /Overlock 1	4.6	0
5	Strategies for Harnessing High Rate and Cycle Performance from Graphite Electrodes in Potassium-Ion Batteries. ACS Applied Materials & Interfaces, 2022, 14, 14302-14312.	4.0	5
6	In Situ Orthorhombic to Amorphous Phase Transition of Nb₂O₅ and Its Temperature Effect on Pseudocapacitive Behavior. ACS Applied Materials & Interfaces, 2022, 14, 19426-19436.	4.0	13
7	Ionic Liquid Electrolytes for Next-generation Electrochemical Energy Devices. EnergyChem, 2022, 4, 100075.	10.1	25
8	Vanadium diphosphide as a negative electrode material for sodium secondary batteries. Journal of Power Sources, 2021, 483, 229182.	4.0	14
9	Stage-number dependence of intercalated species for fluorosilicate graphite intercalation compounds: pentafluorosilicate vs. hexafluorosilicate. Journal of Fluorine Chemistry, 2021, 242, 109714.	0.9	3
10	Dual-ion chargeâ€“discharge behaviors of Naâ€“NiNc and NiNcâ€“NiNc batteries. Materials Advances, 2021, 2, 2263-2266.	2.6	12
11	Sodium difluorophosphate: facile synthesis, structure, and electrochemical behavior as an additive for sodium-ion batteries. Journal of Materials Chemistry A, 2021, 9, 3637-3647.	5.2	16
12	Phase Evolution of Trirutile Li_{0.5}FeF₃ for Lithium-Ion Batteries. Chemistry of Materials, 2021, 33, 868-880.	3.2	15
13	Improvement of Electrochemical Stability Using the Eutectic Composition of a Ternary Molten Salt System for Highly Concentrated Electrolytes for Na-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 2538-2546.	4.0	13
14	Generation of Elemental Fluorine through the Electrolysis of Copper Difluoride at Room Temperature. Angewandte Chemie, 2021, 133, 7966-7971.	1.6	1
15	Generation of Elemental Fluorine through the Electrolysis of Copper Difluoride at Room Temperature. Angewandte Chemie - International Edition, 2021, 60, 7887-7892.	7.2	3
16	Stable Cycle Performance of a Phosphorus Negative Electrode in Lithium-Ion Batteries Derived from Ionic Liquid Electrolytes. ACS Applied Materials & Interfaces, 2021, 13, 10891-10901.	4.0	10
17	Benefits of the Mixtures of Ionic Liquid and Organic Electrolytes for Sodium-ion Batteries. Journal of the Electrochemical Society, 2021, 168, 030508.	1.3	10
18	Deoxofluorination of Activated Carbon Electrode with Sulfur Tetrafluoride for Electric Double Layer Capacitor. Electrochemistry, 2021, 89, 118-120.	0.6	4

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19	Recycle of Tungsten from Cemented Carbide Tools Utilizing Molten Carbonates. Denki Kagaku, 2021, 89, 21-26.	0.0	0
20	Silicon Refining by Solidification from Liquid Siâ€“Zn Alloy and Floating Zone Method. Materials Transactions, 2021, 62, 403-411.	0.4	4
21	Chargeâ€“Discharge Performance of Copper Metal Positive Electrodes in Fluorohydrogenate Ionic Liquids for Fluoride-Shuttle Batteries. Journal of the Electrochemical Society, 2021, 168, 040530.	1.3	12
22	A Î²â€â€Alumina/Inorganic Ionic Liquid Dual Electrolyte for Intermediateâ€Temperature Sodiumâ€“Sulfur Batteries. Advanced Functional Materials, 2021, 31, 2105524.	7.8	12
23	Dualâ€Ion NiNc Battery: A Sustainable Revolution for Sodium Organic Batteries. Batteries and Supercaps, 2021, 4, 1605-1610.	2.4	5
24	Mixed alkali-ion transport and storage in atomic-disordered honeycomb layered NaKNi2TeO6. Nature Communications, 2021, 12, 4660.	5.8	23
25	Pseudo-solid-state electrolytes utilizing the ionic liquid family for rechargeable batteries. Energy and Environmental Science, 2021, 14, 5834-5863.	15.6	42
26	A Î²â€â€Alumina/Inorganic Ionic Liquid Dual Electrolyte for Intermediateâ€Temperature Sodiumâ€“Sulfur Batteries (Adv. Funct. Mater. 48/2021). Advanced Functional Materials, 2021, 31, 2170352.	7.8	3
27	Microscopic characterization of the Câ€“F bonds in fluorineâ€“graphite intercalation compounds. Journal of Power Sources, 2020, 445, 227320.	4.0	27
28	Deoxofluorination of graphite oxide with sulfur tetrafluoride. Dalton Transactions, 2020, 49, 47-56.	1.6	7
29	Charge-discharge behavior of fluorine-intercalated graphite for the positive electrode of fluoride ion shuttle battery. Electrochemistry Communications, 2020, 110, 106626.	2.3	16
30	An Energyâ€Dense Solventâ€Free Dualâ€Ion Battery. Advanced Functional Materials, 2020, 30, 2003557.	7.8	18
31	Transport Properties of Ionic Liquid and Sodium Salt Mixtures for Sodium-Ion Battery Electrolytes from Molecular Dynamics Simulation with a Self-Consistent Atomic Charge Determination. Journal of Physical Chemistry B, 2020, 124, 7291-7305.	1.2	22
32	Electrolytes toward Highâ€Voltage Na₃V₂(PO₄)₂F₃ Positive Electrode Durable against Temperature Variation. Advanced Energy Materials, 2020, 10, 2001880.	10.2	42
33	Potassium Difluorophosphate as an Electrolyte Additive for Potassium-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 36168-36176.	4.0	32
34	Application of Ionic Liquid as K-Ion Electrolyte of Graphite//K₂Mn[Fe(CN)₆] Cell. ACS Energy Letters, 2020, 5, 2849-2857.	8.8	51
35	Structural evaluation and protium-deuterium exchange in 1-ethyl-3-methylimidazolium halide-ethylene glycol mixtures. Journal of Fluorine Chemistry, 2020, 239, 109637.	0.9	3
36	High-Performance Sodium Secondary Batteries Using Synergistic Effect of Amorphous SiP₂/C Anode and Ionic Liquid Electrolyte. Journal of the Electrochemical Society, 2020, 167, 070514.	1.3	4

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37	Enhanced Performance Induced by Phase Transition of Li₂FeSiO₄ upon Cycling at High Temperature. ACS Applied Energy Materials, 2020, 3, 5722-5727.	2.5	7
38	Optimization of the Carbon Content in Copper Phosphideâ€“Carbon Composites for High Performance Sodium Secondary Batteries Using Ionic Liquids. ChemElectroChem, 2020, 7, 2477-2484.	1.7	6
39	Physicochemical and electrochemical properties of the (fluorosulfonyl)(trifluoromethylsulfonyl)amide ionic liquid for Na secondary batteries. Journal of Power Sources, 2020, 470, 228406.	4.0	12
40	Ionic liquid electrolyte for room to intermediate temperature operating Li metal batteries: Dendrite suppression and improved performance. Journal of Power Sources, 2020, 453, 227911.	4.0	35
41	Potassium Single Cation Ionic Liquid Electrolyte for Potassium-Ion Batteries. Journal of Physical Chemistry B, 2020, 124, 6341-6347.	1.2	18
42	High-voltage honeycomb layered oxide positive electrodes for rechargeable sodium batteries. Chemical Communications, 2020, 56, 9272-9275.	2.2	18
43	Fluoride Ion Interactions in Alkali-Metal Fluorideâ€“Diol Complexes. Inorganic Chemistry, 2020, 59, 6631-6639.	1.9	7
44	Discharge Characteristic of Fluorinated Graphene-like Graphite as a Cathode of Lithium Primary Battery. Electrochemistry, 2020, 88, 437-440.	0.6	9
45	Oxidative Dissolution of Tungsten Metal in Na₂CO₃ under Arâ€“O₂â€“CO₂ Atmosphere. Journal of the Electrochemical Society, 2020, 167, 131501.	1.3	4
46	N-Ethyl-N-propylpyrrolidinium Bis(fluorosulfonyl)amide Ionic Liquid Electrolytes for Sodium Secondary Batteries: Effects of Na Ion Concentration. Journal of Physical Chemistry C, 2019, 123, 22018-22026.	1.5	24
47	Quantitative Elucidation of the Non-Equilibrium Phase Transition in LiFePO₄ via the Intermediate Phase. Chemistry of Materials, 2019, 31, 7160-7166.	3.2	22
48	Reaction Pathways of Iron Trifluoride Investigated by Operation at 363ÂK Using an Ionic Liquid Electrolyte. Journal of the Electrochemical Society, 2019, 166, A2105-A2110.	1.3	9
49	Room-Temperature Fluoride Shuttle Batteries Based on a Fluorohydrogenate Ionic Liquid Electrolyte. ACS Applied Energy Materials, 2019, 2, 6153-6157.	2.5	32
50	Probing the Mechanism of Improved Performance for Sodium-ion Batteries by Utilizing Three-electrode Cells: Effects of Sodium-ion Concentration in Ionic Liquid Electrolytes. Electrochemistry, 2019, 87, 175-181.	0.6	16
51	Zincâ€Air Batteries: A Roomâ€Temperature Molten Hydrate Electrolyte for Rechargeable Zincâ€“Air Batteries (Adv. Energy Mater. 22/2019). Advanced Energy Materials, 2019, 9, 1970086.	10.2	9
52	A Roomâ€Temperature Molten Hydrate Electrolyte for Rechargeable Zincâ€“Air Batteries. Advanced Energy Materials, 2019, 9, 1900196.	10.2	128
53	Mechanism of Electrolytic Reduction of SiO₂at Liquid Zn Cathode in Molten CaCl₂. Journal of the Electrochemical Society, 2019, 166, D162-D167.	1.3	12
54	Na₃V₂(PO₄)₃@Carbon Nanofibers: High Mass Loading Electrode Approaching Practical Sodium Secondary Batteries Utilizing Ionic Liquid Electrolytes. ACS Applied Energy Materials, 2019, 2, 2818-2827.	2.5	34

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55	Vanadium phosphideâ€“phosphorus composite as a high-capacity negative electrode for sodium secondary batteries using an ionic liquid electrolyte. Electrochemistry Communications, 2019, 102, 46-51.	2.3	25
56	NASICON vs. Na metal: a new counter electrode to evaluate electrodes for Na secondary batteries. Journal of Materials Chemistry A, 2019, 7, 27057-27065.	5.2	25
57	Advances in sodium secondary batteries utilizing ionic liquid electrolytes. Energy and Environmental Science, 2019, 12, 3247-3287.	15.6	129
58	Sodium Ion Batteries using Ionic Liquids as Electrolytes. Chemical Record, 2019, 19, 758-770.	2.9	41
59	Lithium fluoride/iron difluoride composite prepared by a fluorolytic solâ€“gel method: Its electrochemical behavior and chargeâ€“discharge mechanism as a cathode material for lithium secondary batteries. Journal of Power Sources, 2019, 412, 180-188.	4.0	23
60	CuP₂/C Composite Negative Electrodes for Sodium Secondary Batteries Operating at Roomâ€toâ€Intermediate Temperatures Utilizing Ionic Liquid Electrolyte. ChemElectroChem, 2018, 5, 1340-1344.	1.7	24
61	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.	2.7	41
62	Crystalline maricite NaFePO4 as a positive electrode material for sodium secondary batteries operating at intermediate temperature. Journal of Power Sources, 2018, 377, 80-86.	4.0	36
63	Phase Behavior of the [N(C₂H₅)₄][BF₄]-[N(C₂H₅)₄][CF₃SO₃] Binary System. Electrochemistry, 2018, 86, 52-56.	0.6	6
64	High-capacity FeTiO3/C negative electrode for sodium-ion batteries with ultralong cycle life. Journal of Power Sources, 2018, 388, 19-24.	4.0	19
65	Stabilization of SF5â€“ with Glyme-Coordinated Alkali Metal Cations. Inorganic Chemistry, 2018, 57, 14882-14889.	1.9	14
66	Partially Naked Fluoride in Solvate Ionic Liquids. Journal of Physical Chemistry Letters, 2018, 9, 6662-6667.	2.1	15
67	Silicon Electrodeposition in a Water-Soluble KFâ€“KCl Molten Salt: Effects of Temperature and Current Density. Journal of the Electrochemical Society, 2018, 165, D825-D831.	1.3	13
68	Symmetric Cell Electrochemical Impedance Spectroscopy of Na₂FeP₂O₇ Positive Electrode Material in Ionic Liquid Electrolytes. Journal of Physical Chemistry C, 2018, 122, 26857-26864.	1.5	33
69	Application of Intermediate Temperature Ionic Liquids for Electrolytes of Secondary Batteries. Oleoscience, 2018, 18, 175-184.	0.0	0
70	Production of Gas-Phase Uranium Fluoroanions Via Solubilization of Uranium Oxides in the [1-Ethyl-3-Methylimidazolium]⁺[F(HF)_{2.3}]^{â^'} Ionic Liquid. Journal of the American Society for Mass Spectrometry, 2018, 29, 1963-1970.	1.2	7
71	Ptâ€“Ru Anode Catalyst to Suppress H2O2Formation due to Oxygen Crossover. Journal of the Electrochemical Society, 2018, 165, F463-F467.	1.3	6
72	13C/19F high-resolution solid-state NMR studies on layered carbon-fluorine compounds. Carbon, 2018, 138, 179-187.	5.4	27

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73	Sodium Secondary Batteries: 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 (Adv. Sustainable Syst. 5/2018). Advanced Sustainable Systems, 2018, 2, 1870033.	2.7	2
74	TiO₂â€“Fe₂O₃ nanocomposites as high-capacity negative electrode materials for rechargeable sodium-ion batteries. Sustainable Energy and Fuels, 2017, 1, 371-376.	2.5	7
75	Crystallographic Insight into the Mg²⁺ Coordination Mode and N(SO₂CF₃)₂^{â€“} Anion Conformation in Mg[N(SO₂CF₃)₂]₂ and Its Adducts. European Journal of Inorganic Chemistry, 2017, 2017, 1087-1099.	1.0	7
76	Charge-discharge performance of Na 2/3 Fe 1/3 Mn 2/3 O 2 positive electrode in an ionic liquid electrolyte at 90 Â°C for sodium secondary batteries. Electrochimica Acta, 2017, 231, 412-416.	2.6	17
77	Electrochemical performance of Na2Ti3O7/C negative electrode in ionic liquid electrolyte for sodium secondary batteries. Journal of Power Sources, 2017, 354, 10-15.	4.0	42
78	Chargeâ€“Discharge Properties of a Sn₄P₃Negative Electrode in Ionic Liquid Electrolyte for Na-Ion Batteries. ACS Energy Letters, 2017, 2, 1139-1143.	8.8	101
79	Thermal, Physical, and Electrochemical Properties of Li[N(SO₂F)₂]-[1-Ethyl-3-methylimidazolium][N(SO₂F)₂] Ionic Liquid Electrolytes for Li Secondary Batteries Operated at Room and Intermediate Temperatures. Journal of Physical Chemistry C, 2017, 121, 9209-9219.	1.5	34
80	Sodium-Ion Secondary Batteries Using Ionic Liquids as Electrolytes. , 2017, , 197-208.		0
81	Electrolytic Production of Silicon Using Liquid Zinc Alloy in Molten CaCl₂. Journal of the Electrochemical Society, 2017, 164, H5049-H5056.	1.3	19
82	Ionic Liquid Materials Based on Fluoroanions. , 2017, , 671-695.		1
83	Formation of a solid solution between [N(C₂H₅)₄][BF₄] and [N(C₂H₅)₄][PF₆] in crystal and plastic crystal phases. Physical Chemistry Chemical Physics, 2017, 19, 2053-2059.	1.3	14
84	Physicochemical and Electrochemical Properties of K[N(SO₂F)₂]â€“[N-Methyl-N-propylpyrrolidinium][N(SO₂F)₂] Ionic Liquids for Potassium-Ion Batteries. Journal of Physical Chemistry C, 2017, 121, 18450-18458.	1.5	20
85	Structures of Highly Fluorinated Compounds of Layered Carbon. , 2017, , 283-303.		6
86	Editors' Choiceâ€”Silicon Electrodeposition in a Water-Soluble KFâ€“KCl Molten Salt: Utilization of SiCl₄as Si Source. Journal of the Electrochemical Society, 2017, 164, D67-D71.	1.3	26
87	Poly(vinyl chloride) Ionic Liquid Polymer Electrolyte Based on Bis(fluorosulfonyl)Amide for Sodium Secondary Batteries. Journal of the Electrochemical Society, 2017, 164, H5031-H5035.	1.3	17
88	Structural and Thermal Properties of Airâ€Stable [Mg(1â€methylimidazole)₆][N(SO₂CF₃)₂]₂. European Journal of Inorganic Chemistry, 2017, 2017, 5656-5662.	1.0	1
89	Structural and Electrochemical Properties of Hard Carbon Negative Electrodes for Sodium Secondary Batteries Using the Na[FSA]–[C₃C₁pyrr][FSA] Ionic Liquid Electrolyte. Electrochemistry, 2017, 85, 391-396.	0.6	18
90	Electrochemical Sodiation-desodiation of Maricite NaFePO₄ in Ionic Liquid Electrolyte. Electrochemistry, 2017, 85, 675-679.	0.6	18

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91	Versatile Applications of Ionic Liquids. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2016, 67, 66-69.	0.1	0
92	Cathodic Potential Dependence of Electrochemical Reduction of SiO2 Granules in Molten CaCl2. Metallurgical and Materials Transactions E, 2016, 3, 145-155.	0.5	8
93	Catalytic Activities of Pt–Metal Alloys on Oxygen Reduction Reaction in Fluorohydrogenate Ionic Liquid. Electrochemistry, 2016, 84, 766-768.	0.6	3
94	Iron(III) fluoride synthesized by a fluorolysis method and its electrochemical properties as a positive electrode material for lithium secondary batteries. Journal of Fluorine Chemistry, 2016, 184, 75-81.	0.9	11
95	Selective Formation of Rare-Earthâ€“Nickel Alloys via Electrochemical Reactions in NaClâ€“KCl Molten Salt. Journal of the Electrochemical Society, 2016, 163, D140-D145.	1.3	20
96	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. Journal of Physical Chemistry C, 2016, 120, 9628-9636.	1.5	52
97	Ionic liquid electrolytes with high sodium ion fraction for high-rate and long-life sodium secondary batteries. Journal of Power Sources, 2016, 332, 51-59.	4.0	70
98	Silicon Electrodeposition in Water-Soluble KFâ€“KCl Molten Salt: Optimization of Electrolysis Conditions at 923 K. Journal of the Electrochemical Society, 2016, 163, D95-D99.	1.3	33
99	Intermediate-Temperature Operation of Sodium Secondary Batteries with High Rate Capability and Cyclability Using Ionic Liquid Electrolyte. ECS Transactions, 2016, 75, 139-145.	0.3	11
100	Ionic Liquid Polymer Electrolyte Based on Bis(fluorosulfonyl)Amide for Sodium Secondary Batteries. ECS Transactions, 2016, 75, 431-436.	0.3	2
101	Electrochemical behavior of Snâ€“Fe alloy film negative electrodes for a sodium secondary battery using inorganic ionic liquid Na[FSA]â€“K[FSA]. Electrochimica Acta, 2016, 211, 234-244.	2.6	24
102	A New Electrolytic Production Process of Silicon Using Liquid Zn Alloy Cathode in Molten Salt. ECS Transactions, 2016, 75, 17-33.	0.3	7
103	A new sodiationâ€“desodiation mechanism of the titania-based negative electrode for sodium-ion batteries. Physical Chemistry Chemical Physics, 2016, 18, 30770-30776.	1.3	11
104	Electrodeposition of Si Film from Water-Soluble KF-KCl Molten Salt and Feasibility of SiCl₄ as a Si Source. ECS Transactions, 2016, 75, 593-601.	0.3	3
105	Improved performance of a conducting-bridge random access memory using ionic liquids. Journal of Materials Chemistry C, 2016, 4, 7215-7222.	2.7	7
106	Homoleptic octahedral coordination of CH₃CN to Mg²⁺ in the Mg[N(SO₂CF₃)₂]₂â€“CH₃CN system. Dalton Transactions, 2016, 45, 2810-2813.	1.6	12
107	Chargeâ€“discharge behavior of Snâ€“Ni alloy film electrodes in an intermediate temperature ionic liquid for the electrolyte of a sodium secondary battery. Electrochimica Acta, 2016, 193, 275-283.	2.6	13
108	Performance validation of sodium-ion batteries using an ionic liquid electrolyte. Journal of Applied Electrochemistry, 2016, 46, 487-496.	1.5	43

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109	The Role of Granule Size on the Kinetics of Electrochemical Reduction of SiO2 Granules in Molten CaCl2. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2016, 47, 788-797.	1.0	20
110	Title is missing!. Electrochemistry, 2016, 84, 626-630.	0.6	2
111	Title is missing!. Electrochemistry, 2016, 84, 736-740.	0.6	0
112	Charge-discharge Performance of an Ionic Liquid-based Sodium Secondary Battery in a Wide Temperature Range. Electrochemistry, 2015, 83, 91-94.	0.6	24
113	The Discrete AlF52-Fluoroaluminate Anion in the Structure of [Tetraethylammonium]2[AlF5](H2O)2. European Journal of Inorganic Chemistry, 2015, 2015, 5306-5310.	1.0	3
114	Advantages of a Polyimide Membrane Support in Nonhumidified Fluorohydrogenateâ€Polymer Composite Membrane Fuel Cells. Fuel Cells, 2015, 15, 604-609.	1.5	8
115	Nonhumidified Fuel Cells Using N-Ethyl-N-methyl-pyrrolidinium Fluorohydrogenate Ionic Liquid-poly(Vinylidene Fluoride-Hexafluoropropylene) Composite Membranes. Energies, 2015, 8, 6202-6214.	1.6	10
116	Iron Fluoroanions and Their Clusters by Electrospray Ionization of a Fluorinating Ionic Liquid. Journal of the American Society for Mass Spectrometry, 2015, 26, 1559-1569.	1.2	3
117	Inorganicâ€“Organic Hybrid Ionic Liquid Electrolytes for Na Secondary Batteries. Journal of the Electrochemical Society, 2015, 162, A1409-A1414.	1.3	30
118	Crystal structure of Na[N(SO 2 CF 3) 2] and coordination environment of alkali metal cation in the M[N(SO 2 CF 3) 2] (M + = Li + , Na + , K + , and Cs +) structures. Journal of Fluorine Chemistry, 2015, 174, 42-48.	0.9	13
119	Fluorohydrogenate Ionic Liquids, Liquid Crystals, and Plastic Crystals. , 2015, , 103-123.		3
120	Silicon Electrodeposition in Water-Soluble KFâ€“KCl Molten Salt: Investigations on the Reduction of Si(IV) Ions. Journal of the Electrochemical Society, 2015, 162, D444-D448.	1.3	56
121	Electrochemical performance of hard carbon negative electrodes for ionic liquid-based sodium ion batteries over a wide temperature range. Electrochimica Acta, 2015, 176, 344-349.	2.6	66
122	Thermal and Transport Properties of Na[N(SO₂F)₂]â€“[N-Methyl-N-propylpyrrolidinium][N(SO₂F)₂] Ionic Liquids for Na Secondary Batteries. Journal of Physical Chemistry C, 2015, 119, 7648-7655.	4.5	109
123	Improved Electrochemical Performance of NaVOPO₄Positive Electrodes at Elevated Temperature in an Ionic Liquid Electrolyte. Journal of the Electrochemical Society, 2015, 162, A2093-A2098.	1.3	29
124	Room Temperature Magnesium Electrodeposition from Glyme-Coordinated Ammonium Amide Electrolytes. Journal of the Electrochemical Society, 2015, 162, D389-D396.	1.3	37
125	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.	5.2	37
126	Structural modification by adding Li cations into Mg/Cs-TFSA molten salt facilitating Mg electrodeposition. RSC Advances, 2015, 5, 3063-3069.	1.7	3

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127	Full Utilization of Superior Charge-Discharge Characteristics of Na_{1.56}Fe_{1.22}P₂O₇Positive Electrode by Using Ionic Liquid Electrolyte. Journal of the Electrochemical Society, 2015, 162, A176-A180.	1.3	35
128	Electrochemical Formation of Prâ€“Ni Alloys in LiFâ€“CaF₂â€“PrF₃and NaClâ€“KClâ€“PrCl₃Melts. Journal of the Electrochemical Society, 2014, 161, D3097-D3104.	1.3	31
129	Development of the camera for the large size telescopes of the Cherenkov Telescope Array. Proceedings of SPIE, 2014, , .	0.8	3
130	Electrochemical Behavior of Magnesium Alloys in Alkali Metal-TFSA Ionic Liquid for Magnesium-Battery Negative Electrode. Journal of the Electrochemical Society, 2014, 161, A943-A947.	1.3	21
131	Generation of gasâ€phase zirconium fluoroanions by electrospray of an ionic liquid. Rapid Communications in Mass Spectrometry, 2014, 28, 1233-1242.	0.7	3
132	Selective Formation of Rare Earth-Nickel Alloys via Electrochemical Reactions in NaCl-KCl Molten Salt. ECS Transactions, 2014, 64, 601-607.	0.3	1
133	Inorganic-Organic Hybrid Ionic Liquid Electrolytes for Na Secondary Batteries. ECS Transactions, 2014, 64, 433-438.	0.3	3
134	Kinetic Characteristics of Electrochemical Reduction of SiO2Granules in Molten CaCl2. Journal of the Electrochemical Society, 2014, 161, D3116-D3119.	1.3	21
135	A safe and high-rate negative electrode for sodium-ion batteries: Hard carbon in NaFSA-C1C3pyrFSA ionic liquid at 363ÂK. Journal of Power Sources, 2014, 246, 387-391.	4.0	74
136	Improved cyclability of Snâ€“Cu film electrode for sodium secondary battery using inorganic ionic liquid electrolyte. Electrochimica Acta, 2014, 135, 60-67.	2.6	36
137	Influence of cationic structures on oxygen reduction reaction at Pt electrode in fluorohydrogenate ionic liquids. Journal of Power Sources, 2014, 266, 193-197.	4.0	17
138	All solid-state electrochemical capacitors using N,N-dimethylpyrrolidinium fluorohydrogenate asÂionicÂplasticÂcrystalÂelectrolyte. Journal of Power Sources, 2014, 245, 758-763.	4.0	25
139	Expansion of tetrachloroaluminate-graphite intercalation compound by reaction with anhydrous hydrogen fluoride. Carbon, 2014, 67, 434-439.	5.4	3
140	A New Electrodeposition Process of Crystalline Silicon Utilizing Water-Soluble KFâ€“KCl Molten Salt. ECS Transactions, 2014, 64, 285-291.	0.3	14
141	The structural classification of the highly disordered crystal phases of [N_n][BF₄], [N_n][PF₆], [P_n][BF₄], and [P_n][PF₆] salts (N_n⁺= tetraalkylammonium and P_n⁺=) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	1.3	41
142	Effects of HF content in the (FH)_nF^{â^'}anion on the formation of ionic plastic crystal phases of N-ethyl-N-methylpyrrolidinium and N,N-dimethylpyrrolidinium fluorohydrogenate salts. Physical Chemistry Chemical Physics, 2014, 16, 1522-1528.	1.3	3
143	Na[FSA]-[C3C1pyrr][FSA] ionic liquids as electrolytes for sodium secondary batteries: Effects of Na ion concentration and operation temperature. Journal of Power Sources, 2014, 269, 124-128.	4.0	111
144	Reaction Behavior of Stratified SiO2 Granules during Electrochemical Reduction in Molten CaCl2. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2014, 45, 1337-1344.	1.0	21

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