Kazuhide Ueno

List of Publications by Year
in descending order

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168	9,716	38742 50	38395 95
papers	citations	h-index	g-index

173	173	173	8464
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Liquid Metalâ€“Ionic Liquid Composite Gels for Soft, Mixed Electronicâ€“Ionic Conductors. Macromolecular Chemistry and Physics, 2022, 223, 2100319.	2.2	2
2	Ultrafast and Highly Deformable Electromagnetic Hydrogel Actuators Assembled from Liquid Metal Gel Fiber. Advanced Intelligent Systems, 2022, 4, .	6.1	10
3	Local Lithium-Ion Transport of a Ternary Sulfolane-Lithium Bis(trifluoromethanesulfonyl)amide-Carbonate Electrolyte: Experimental and First-Principles Molecular Dynamics Analysis toward Quasi-Solid-State Lithium-Ion Battery. Journal of the Electrochemical Society, 2022, 169, 020534.	2.9	3
4	Direct Wiring of Liquid Metal on an Ultrasoft Substrate Using a Polyvinyl Alcohol Lift-off Method. ACS Applied Materials & Interfaces, 2022, 14, 7241-7251.	8.0	10
5	Effects of polyimide sequence and monomer structures on CO2 permeation and mechanical properties of sulfonated polyimide/ionic liquid composite membranes. Polymer, 2022, 241, 124533.	3.8	7
6	Importance of Mass Transport in High Energy Density Lithiumâ€Sulfur Batteries Under Lean Electrolyte Conditions. Batteries and Supercaps, 2022, 5, .	4.7	6
7	Electrochemical Pretreatment of Solidâ€Electrolyte Interphase Formation for Enhanced Li₄Ti₅O₁₂ Anode Performance in a Molten Liâ”Ca Binary Salt Hydrate Electrolyte. ChemElectroChem, 2022, 9, .	3.4	3
8	Li-Ion Transport and Solvation of a Li Salt of Weakly Coordinating Polyanions in Ethylene Carbonate/Dimethyl Carbonate Mixtures. ACS Applied Materials & Interfaces, 2022, 14, 18324-18334.	8.0	8
9	Li⁺ transference number and dynamic ion correlations in glyme-Li salt solvate ionic liquids diluted with molecular solvents. Physical Chemistry Chemical Physics, 2022, 24, 14269-14276.	2.8	10
10	Eutectic Electrolytes Composed of LiN(SO₂F)₂ and Sulfones for Li-Ion Batteries. Journal of Physical Chemistry C, 2022, 126, 10024-10034.	3.1	18
11	Transparent and Breathable Ion Gelâ€Based Sensors toward Multimodal Sensing Ability. Advanced Materials Technologies, 2022, 7, .	5.8	7
12	Solvate electrolytes for Li and Na batteries: structures, transport properties, and electrochemistry. Physical Chemistry Chemical Physics, 2021, 23, 21419-21436.	2.8	32
13	Molecularly Tunable Polyanions for Single-Ion Conductors and Poly(solvate ionic liquids). Chemistry of Materials, 2021, 33, 524-534.	6.7	53
14	Fundamental Properties and Solubility Toward Cathode Active Materials. , 2021, , 277-286.		0
15	Anion effects on Li ion transference number and dynamic ion correlations in glymeâ€“Li salt equimolar mixtures. Physical Chemistry Chemical Physics, 2021, 23, 2622-2629.	2.8	30
16	Understanding the Reductive Decomposition of Highly Concentrated Li Salt/Sulfolane Electrolytes during Li Deposition and Dissolution. ACS Applied Energy Materials, 2021, 4, 1851-1859.	5.1	24
17	Direct Observation of Photoâ€Induced Reversible Solâ€“Gel Transition in Block Copolymer Selfâ€Assembly Containing an Azobenzene Ionic Liquid. Macromolecular Rapid Communications, 2021, 42, e2100091.	3.9	4
18	Structural Effects of Solvents on Li-Ion-Hopping Conduction in Highly Concentrated LiBF₄/Sulfone Solutions. Journal of Physical Chemistry B, 2021, 125, 6600-6608.	2.6	28

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19	Transport Properties of Flexible Composite Electrolytes Composed of Li_{1.5}Al_{0.5}Ti_{1.5}(PO₄)₃ and a Poly(vinylidene fluoride-co-hexafluoropropylene) Gel Containing a Highly Concentrated Li[N(SO₂CF₃)₂]/Sulfolane Electrolyte. ACS Omega, 2021, 6, 16187-16193.	3.5	7
20	Protic Ionic Liquids Can Be Both Free Proton Conductors and Benign Superacids. Journal of Physical Chemistry B, 2021, 125, 7855-7862.	2.6	10
21	Rate Performance of LiCoO₂ Half-cells Using Highly Concentrated Lithium Bis(fluorosulfonyl)amide Electrolytes and Their Relevance to Transport Properties. Electrochemistry, 2021, 89, 389-394.	1.4	8
22	Local Structure of Li⁺ in Superconcentrated Aqueous LiTFSA Solutions. Journal of Physical Chemistry B, 2021, 125, 7477-7484.	2.6	9
23	Design of Polymer Network and Li⁺ Solvation Enables Thermally and Oxidatively Stable, Mechanically Reliable, and Highly Conductive Polymer Gel Electrolyte for Lithium Batteries. Journal of the Electrochemical Society, 2021, 168, 090538.	2.9	6
24	Highly Concentrated NaN(SO₂F)₂/3-Methylsulfolane Electrolyte Solution Showing High Na-Ion Transference Number under Anion-Blocking Conditions. Electrochemistry, 2021, 89, 590-596.	1.4	3
25	Electrochemical Properties of Poly(vinylidene fluoride-<i>co</i>-hexafluoropropylene) Gel Electrolytes with High-Concentration Li Salt/Sulfolane for Lithium Batteries. Electrochemistry, 2021, 89, 567-572.	1.4	5
26	Thermodynamic aspect of sulfur, polysulfide anion and lithium polysulfide: plausible reaction path during discharge of lithiumâ€“sulfur battery. Physical Chemistry Chemical Physics, 2021, 23, 6832-6840.	2.8	11
27	Towards practical cells: combined use of titanium black as a cathode additive and sparingly solvating electrolyte for high-energy-density lithiumâ€“sulfur batteries. Sustainable Energy and Fuels, 2021, 5, 1821-1831.	4.9	15
28	Effects of Li ion-solvent interaction on ionic transport and electrochemical properties in highly concentrated cyclic carbonate electrolytes. Journal of Non-Crystalline Solids: X, 2021, 11-12, 100071.	1.2	5
29	Rheological and Ionic Transport Properties of Nanocomposite Electrolytes Based on Protic Ionic Liquids and Silica Nanoparticles. Langmuir, 2020, 36, 148-158.	3.5	10
30	Graphiteâ€“Lithium Sulfide Battery with a Single-Phase Sparingly Solvating Electrolyte. ACS Energy Letters, 2020, 5, 1-7.	17.4	41
31	Microphase-separated structures of ion gels consisting of ABA-type block copolymers and an ionic liquid: A key to escape from the trade-off between mechanical and transport properties. Polymer, 2020, 206, 122849.	3.8	14
32	Molten Li Salt Solvate-Silica Nanoparticle Composite Electrolytes with Tailored Rheological Properties. Electrochemistry, 2020, 88, 174-177.	1.4	1
33	Effects of fluoroethylene carbonate addition to Li-glyme solvate ionic liquids on their ionic transport properties and Si composite electrode performance. Electrochimica Acta, 2020, 353, 136559.	5.2	6
34	Highly concentrated LiN(SO2CF3)2/dinitrile electrolytes: Liquid structures, transport properties, and electrochemistry. Journal of Chemical Physics, 2020, 152, 104502.	3.0	20
35	Effects of Polysulfide Solubility and Li Ion Transport on Performance of Liâ€“S Batteries Using Sparingly Solvating Electrolytes. Journal of the Electrochemical Society, 2020, 167, 070531.	2.9	52
36	Redox-active glymeâ€“Li tetrahalogenoferrate(<scp>iii</scp>) solvate ionic liquids for semi-liquid lithium secondary batteries. RSC Advances, 2020, 10, 4129-4136.	3.6	5

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37	Effects of Anion on Liquid Structures of Ionic Liquids at Graphene Electrode Interface Analyzed by Molecular Dynamics Simulations. Batteries and Supercaps, 2020, 3, 658-667.	4.7	4
38	Solvent effects on Li ion transference number and dynamic ion correlations in glyme- and sulfolane-based molten Li salt solvates. Physical Chemistry Chemical Physics, 2020, 22, 15214-15221.	2.8	53
39	Structures and Electrochemistry of Î³-Butyrolactone Solvates of Na Salts. Journal of Physical Chemistry C, 2020, 124, 15800-15811.	3.1	17
40	Liquidâ€State Optoelectronics Using Liquid Metal. Advanced Electronic Materials, 2020, 6, 1901135.	5.1	14
41	High Transference Number of Na Ion in Liquid-State Sulfolane Solvates of Sodium Bis(fluorosulfonyl)amide. Journal of Physical Chemistry C, 2020, 124, 4459-4469.	3.1	23
42	Effect of network homogeneity on mechanical, thermal and electrochemical properties of solid polymer electrolytes prepared by homogeneous 4-arm poly(ethylene glycols). Soft Matter, 2020, 16, 4290-4298.	2.7	14
43	Speciation Analysis and Thermodynamic Criteria of Solvated Ionic Liquids: Ionic Liquids or Superconcentrated Solutions?. Journal of Physical Chemistry Letters, 2020, 11, 4517-4523.	4.6	16
44	Factors Affecting Li⁺ Transport Properties of Molten Li Salt Solvate Electrolytes. ECS Meeting Abstracts, 2020, MA2020-02, 2948-2948.	0.0	1
45	High Transference Number of Li Ion in Highly Concentrated Lithium Bis(trifluoromethanesulfonyl)Amide/Dinitrile Liquid Electrolytes. ECS Meeting Abstracts, 2020, MA2020-01, 372-372.	0.0	0
46	High Transference Number of Na Ion in Highly Concentrated Sodium Bis(fluorosulfonyl)Amide/Î³-Butyrolactone Electrolytes for Sodium Batteries. ECS Meeting Abstracts, 2020, MA2020-01, 238-238.	0.0	0
47	Preparation of Li-S Polymer Battery Utilizing High Compatibility of Carbonaceous Materials with Highly Concentrated Electrolytes. ECS Meeting Abstracts, 2020, MA2020-02, 3528-3528.	0.0	0
48	Lithium Polysulfide Sparingly Solvating Electrolyte for Practical High Energy Density Lithium Sulfur Battery. ECS Meeting Abstracts, 2020, MA2020-02, 280-280.	0.0	0
49	Solvation Structure of Li⁺ in Concentrated Acetonitrile and N,N-Dimethylformamide Solutions Studied by Neutron Diffraction with ⁶Li/⁷Li Isotopic Substitution Methods. Journal of Physical Chemistry B, 2020, 124, 10456-10464.	2.6	9
50	Self-Assembly of Block Copolymers in an Ionic Liquid and Properties of Resulting Ion Gels. ECS Meeting Abstracts, 2020, MA2020-02, 2966-2966.	0.0	0
51	High Transference Number of Li Ion in Highly Concentrated Lithium Bis(trifluoromethanesulfonyl)Amide/Dinitrile Liquid Electrolytes for Lithium Sulfur Batteries. ECS Meeting Abstracts, 2020, MA2020-02, 3443-3443.	0.0	0
52	Strategy and Issue for Li-S Batteries with High Energy Density. ECS Meeting Abstracts, 2020, MA2020-02, 3529-3529.	0.0	0
53	Ionic Liquid/Sulfonated Polyimide Composite Membranes: Effect of Polyimide Sequence on CO2 Transport Properties. ECS Meeting Abstracts, 2020, MA2020-02, 2902-2902.	0.0	0
54	Performance of Lithium Sulfur Batteries Consisting of Li2s/Carbon Composite Cathode. ECS Meeting Abstracts, 2020, MA2020-02, 3530-3530.	0.0	0

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55	Preparation of Electron/Ion-Mixed Conducting Gel Using Liquid Metal and Ionic Liquid. ECS Meeting Abstracts, 2020, MA2020-02, 2967-2967.	0.0	0
56	Design of Sparingly Solvating Electrolytes for Li-S Batteries. ECS Meeting Abstracts, 2020, MA2020-02, 453-453.	0.0	0
57	Thermodynamic Effect of Anion Activity on Electrochemical Reactions Involving Li⁺ Ions in Roomâ€Temperature Ionic Liquids. ChemElectroChem, 2019, 6, 4444-4449.	3.4	12
58	Glymeâ€“Li salt equimolar molten solvates with iodide/triiodide redox anions. RSC Advances, 2019, 9, 22668-22675.	3.6	5
59	Excellent dispersibility of single-walled carbon nanotubes in highly concentrated electrolytes and application to gel electrode for Li-S batteries. Electrochemistry Communications, 2019, 109, 106598.	4.7	12
60	Key factor governing the physicochemical properties and extent of proton transfer in protic ionic liquids: Î”pK_a or chemical structure?. Physical Chemistry Chemical Physics, 2019, 21, 418-426.	2.8	42
61	Sulfolane-Based Highly Concentrated Electrolytes of Lithium Bis(trifluoromethanesulfonyl)amide: Ionic Transport, Li-Ion Coordination, and Liâ€“S Battery Performance. Journal of Physical Chemistry C, 2019, 123, 14229-14238.	3.1	138
62	Effects of Sulfur Loading, Cathode Porosity, and Electrolyte Amount on Li-S Battery Performance with Solvate Ionic Liquid Electrolyte. Electrochemistry, 2019, 87, 254-259.	1.4	11
63	Li-ion hopping conduction in highly concentrated lithium bis(fluorosulfonyl)amide/dinitrile liquid electrolytes. Physical Chemistry Chemical Physics, 2019, 21, 9759-9768.	2.8	77
64	Ionic transport in highly concentrated lithium bis(fluorosulfonyl)amide electrolytes with keto ester solvents: structural implications for ion hopping conduction in liquid electrolytes. Physical Chemistry Chemical Physics, 2019, 21, 5097-5105.	2.8	35
65	Dynamic Chelate Effect on the Li⁺-Ion Conduction in Solvate Ionic Liquids. Journal of Physical Chemistry C, 2019, 123, 30228-30233.	3.1	10
66	Polymer electrolytes based on a homogeneous poly(ethylene glycol) network and their application to polymer actuators. Electrochimica Acta, 2019, 298, 866-873.	5.2	16
67	Liquid Structures and Transport Properties of Lithium Bis(fluorosulfonyl)amide/Glyme Solvate Ionic Liquids for Lithium Batteries. Australian Journal of Chemistry, 2019, 72, 70.	0.9	21
68	Solvation Structure and Li-Ion Transport Properties of Highly Concentrated Sulfone-Based Electrolytes. ECS Meeting Abstracts, 2019, , .	0.0	0
69	Liquid Structure and Battery Application of Highly Concentrated Sulfolane-Based Sodium Electrolytes. ECS Meeting Abstracts, 2019, , .	0.0	0
70	Solvate Structures and Transport Properties in Highly Concentrated Li[FSA]/Succinonitrile Liquid Electrolytes. ECS Meeting Abstracts, 2019, , .	0.0	0
71	Li Ion Hopping Conduction in Highly Concentrated Liquid Electrolytes. ECS Meeting Abstracts, 2019, , .	0.0	0
72	Protic ionic liquids with primary alkylamine-derived cations: the dominance of hydrogen bonding on observed physicochemical properties. RSC Advances, 2018, 8, 9790-9794.	3.6	23

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73	Molecular dynamics study of thermodynamic stability and dynamics of [Li(glyme)]+ complex in lithium-glyme solvate ionic liquids. Journal of Chemical Physics, 2018, 148, 193809.	3.0	31
74	Electrolyte Composition in Li/O₂ Batteries with LiI Redox Mediators: Solvation Effects on Redox Potentials and Implications for Redox Shuttling. Journal of Physical Chemistry C, 2018, 122, 1522-1534.	3.1	51
75	Redox Active Glyme-Li Salt Solvate Ionic Liquids Based on Tetrabromoferrate(III). Electrochemistry, 2018, 86, 46-51.	1.4	8
76	Advanced Materials Based on Polymers and Ionic Liquids. Chemical Record, 2018, 18, 391-409.	5.8	51
77	Polymer Electrolytes Containing Solvate Ionic Liquids: A New Approach To Achieve High Ionic Conductivity, Thermal Stability, and a Wide Potential Window. Chemistry of Materials, 2018, 30, 252-261.	6.7	60
78	Direct Evidence for Li Ion Hopping Conduction in Highly Concentrated Sulfolane-Based Liquid Electrolytes. Journal of Physical Chemistry B, 2018, 122, 10736-10745.	2.6	165
79	From Ionic Liquids to Solvate Ionic Liquids: Challenges and Opportunities for Next Generation Battery Electrolytes. Bulletin of the Chemical Society of Japan, 2018, 91, 1660-1682.	3.2	85
80	Glymeâ€“Sodium Bis(fluorosulfonyl)amide Complex Electrolytes for Sodium Ion Batteries. Journal of Physical Chemistry C, 2018, 122, 16589-16599.	3.1	34
81	Enhanced Electrochemical Stability of Molten Li Salt Hydrate Electrolytes by the Addition of Divalent Cations. Journal of Physical Chemistry C, 2018, 122, 20167-20175.	3.1	23
82	Soft materials based on colloidal self-assembly in ionic liquids. Polymer Journal, 2018, 50, 951-958.	2.7	14
83	Glyme-Na Salt Equimolar Complex Electrolytes for Sodium Ion Batteries. ECS Meeting Abstracts, 2018, , .	0.0	0
84	Role of polar side chains in Li⁺coordination and transport properties of polyoxetane-based polymer electrolytes. Physical Chemistry Chemical Physics, 2017, 19, 5185-5194.	2.8	19
85	Application of Ionic Liquids to Energy Storage and Conversion Materials and Devices. Chemical Reviews, 2017, 117, 7190-7239.	47.7	1,214
86	Stability of Glyme Solvate Ionic Liquid as an Electrolyte for Rechargeable Liâ^'O₂ Batteries. ACS Applied Materials & Interfaces, 2017, 9, 6014-6021.	8.0	52
87	Oxygen Reduction Reaction in Highly Concentrated Electrolyte Solutions of Lithium Bis(trifluoromethanesulfonyl)amide/Dimethyl Sulfoxide. Journal of Physical Chemistry C, 2017, 121, 9162-9172.	3.1	70
88	Soluble sulfur-based copolymers prepared from elemental sulfur and alkenyl alcohol as positive active material for lithium-sulfur batteries. Polymer, 2017, 117, 225-230.	3.8	17
89	Long-Range Ion-Ordering in Salt-Concentrated Lithium-Ion Battery Electrolytes: A Combined High-Energy X-ray Total Scattering and Molecular Dynamics Simulation Study. Journal of Physical Chemistry C, 2017, 121, 22720-22726.	3.1	32
90	Steric effect on Li⁺ coordination and transport properties in polyoxetane-based polymer electrolytes bearing nitrile groups. RSC Advances, 2017, 7, 37975-37982.	3.6	20

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91	Effect of the cation on the stability of cationâ€“glyme complexes and their interactions with the [TFSA]^{â^'} anion. Physical Chemistry Chemical Physics, 2017, 19, 18262-18272.	2.8	49
92	Effect of Variation in Anion Type and Glyme Length on the Nanostructure of the Solvate Ionic Liquid/Graphite Interface as a Function of Potential. Journal of Physical Chemistry C, 2017, 121, 15728-15734.	3.1	14
93	Suppression of Water Absorption by Molecular Design of Ionic Liquid Electrolyte for Liâ€“Air Battery. Advanced Energy Materials, 2017, 7, 1601753.	19.5	27
94	A Design Approach to Lithium-Ion Battery Electrolyte Based on Diluted Solvate Ionic Liquids. Journal of the Electrochemical Society, 2017, 164, A6088-A6094.	2.9	45
95	Design and New Energy Application of Ionic Liquids. RSC Smart Materials, 2017, , 365-389.	0.1	2
96	Incorporation of Nickel Sulfide into Sulfur Cathode for Liâ€“S Battery. ECS Meeting Abstracts, 2017, , .	0.0	0
97	The Role of Ionic Liquid Electrolytes in Li-S Batteries. ECS Meeting Abstracts, 2017, , .	0.0	0
98	Li⁺ Local Structure in Liâ€“Tetraglyme Solvate Ionic Liquid Revealed by Neutron Total Scattering Experiments with the ^{6/7}Li Isotopic Substitution Technique. Journal of Physical Chemistry Letters, 2016, 7, 2832-2837.	4.6	44
99	Selfâ€Assembly of Polyether Diblock Copolymers in Water and Ionic Liquids. Macromolecular Rapid Communications, 2016, 37, 1207-1211.	3.9	11
100	Categorizing Molten Salt Complexes as Ionic Liquids and Their Applications to Battery Electrolytes. Electrochemistry, 2016, 84, 674-680.	1.4	7
101	Optimization of Pore Structure of Cathodic Carbon Supports for Solvate Ionic Liquid Electrolytes Based Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2016, 8, 27803-27813.	8.0	24
102	Dissociation and Diffusion of Glyme-Sodium Bis(trifluoromethanesulfonyl)amide Complexes in Hydrofluoroether-Based Electrolytes for Sodium Batteries. Journal of Physical Chemistry C, 2016, 120, 23339-23350.	3.1	30
103	Gel polymer electrolytes based on poly(methacrylamide) derivative having branched pendant with terminal nitrile groups. Solid State Ionics, 2016, 293, 13-17.	2.7	7
104	Thermal and Electrochemical Stability of Tetraglymeâ€“Magnesium Bis(trifluoromethanesulfonyl)amide Complex: Electric Field Effect of Divalent Cation on Solvate Stability. Journal of Physical Chemistry C, 2016, 120, 1353-1365.	3.1	88
105	Li⁺ Local Structure in Hydrofluoroether Diluted Li-Glyme Solvate Ionic Liquid. Journal of Physical Chemistry B, 2016, 120, 3378-3387.	2.6	81
106	Effects of compatibility of polymer binders with solvate ionic liquid electrolytes on discharge and charge reactions of lithium-sulfur batteries. Journal of Power Sources, 2016, 307, 746-752.	7.8	52
107	Li⁺ Solvation and Ionic Transport in Lithium Solvate Ionic Liquids Diluted by Molecular Solvents. Journal of Physical Chemistry C, 2016, 120, 15792-15802.	3.1	114
108	Solid polymer electrolytes prepared from poly(methacrylamide) derivative having tris(cyanoethoxymethyl) group as its side chain. Solid State Ionics, 2016, 286, 1-6.	2.7	7

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109	Thermosensitive soft glassy colloidal arrays of block-copolymer-grafted silica nanoparticles in an ionic liquid. Polymer Journal, 2016, 48, 289-294.	2.7	6
110	Lithium-tin Alloy/Sulfur Battery with a Solvate Ionic Liquid Electrolyte. Electrochemistry, 2015, 83, 914-917.	1.4	17
111	Li⁺ solvation in glymeâ€“Li salt solvate ionic liquids. Physical Chemistry Chemical Physics, 2015, 17, 8248-8257.	2.8	222
112	Micelle Structure of Novel Diblock Polyethers in Water and Two Protic Ionic Liquids (EAN and PAN). Macromolecules, 2015, 48, 1843-1851.	4.8	25
113	Hydrogen-bonding supramolecular protic salt as an â€œall-in-oneâ€•precursor for nitrogen-doped mesoporous carbons for CO2 adsorption. Nano Energy, 2015, 13, 376-386.	16.0	64
114	Solvent Activity in Electrolyte Solutions Controls Electrochemical Reactions in Li-Ion and Li-Sulfur Batteries. Journal of Physical Chemistry C, 2015, 119, 3957-3970.	3.1	135
115	Effect of Ionic Size on Solvate Stability of Glyme-Based Solvate Ionic Liquids. Journal of Physical Chemistry B, 2015, 119, 1523-1534.	2.6	92
116	Pentaglymeâ€“K salt binary mixtures: phase behavior, solvate structures, and physicochemical properties. Physical Chemistry Chemical Physics, 2015, 17, 2838-2849.	2.8	27
117	Li+ Ion Transport in Polymer Electrolytes Based on a Glyme-Li Salt Solvate Ionic Liquid. Electrochimica Acta, 2015, 175, 5-12.	5.2	70
118	Structural and aggregate analyses of (Li salt + glyme) mixtures: the complex nature of solvate ionic liquids. Physical Chemistry Chemical Physics, 2015, 17, 22321-22335.	2.8	78
119	One-pot pyrolysis of lithium sulfate and graphene nanoplatelet aggregates: in situ formed Li₂S/graphene composite for lithiumâ€“sulfur batteries. Nanoscale, 2015, 7, 14385-14392.	5.6	73
120	Adsorption of Polyether Block Copolymers at Silicaâ€“Water and Silicaâ€“Ethylammonium Nitrate Interfaces. Langmuir, 2015, 31, 7025-7031.	3.5	4
121	One-step, template-free synthesis of highly porous nitrogen/sulfur-codoped carbons from a single protic salt and their application to CO₂ capture. Journal of Materials Chemistry A, 2015, 3, 17849-17857.	10.3	36
122	Recent Advances in Electrolytes for Lithiumâ€“Sulfur Batteries. Advanced Energy Materials, 2015, 5, 1500117.	19.5	508
123	Proticâ€Saltâ€Derived Nitrogen/Sulfurâ€Codoped Mesoporous Carbon for the Oxygen Reduction Reaction and Supercapacitors. ChemSusChem, 2015, 8, 1608-1617.	6.8	74
124	Upper Limit of Nitrogen Content in Carbon Materials. Angewandte Chemie - International Edition, 2015, 54, 1302-1306.	13.8	168
125	Structures of [Li(glyme)]⁺ complexes and their interactions with anions in equimolar mixtures of glymes and Li[TFSA]: analysis by molecular dynamics simulations. Physical Chemistry Chemical Physics, 2015, 17, 126-129.	2.8	87
126	Nanostructure of [Li(G4)] TFSI and [Li(G4)] NO₃solvate ionic liquids at HOPG and Au(111) electrode interfaces as a function of potential. Physical Chemistry Chemical Physics, 2015, 17, 325-333.	2.8	61

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127	Criteria for solvate ionic liquids. Physical Chemistry Chemical Physics, 2014, 16, 8761.	2.8	240
128	Physicochemical properties of pentaglymeâ€“sodium bis(trifluoromethanesulfonyl)amide solvate ionic liquid. Physical Chemistry Chemical Physics, 2014, 16, 11737-11746.	2.8	60
129	Chelate Effects in Glyme/Lithium Bis(trifluoromethanesulfonyl)amide Solvate Ionic Liquids, Part 2: Importance of Solvate-Structure Stability for Electrolytes of Lithium Batteries. Journal of Physical Chemistry C, 2014, 118, 17362-17373.	3.1	137
130	Gelation of Solvate Ionic Liquid by Self-Assembly of Block Copolymer and Characterization as Polymer Electrolyte. Macromolecules, 2014, 47, 6009-6016.	4.8	78
131	Mechanism of Li Ion Desolvation at the Interface of Graphite Electrode and Glymeâ€“Li Salt Solvate Ionic Liquids. Journal of Physical Chemistry C, 2014, 118, 20246-20256.	3.1	155
132	Solubility of Poly(methyl methacrylate) in Ionic Liquids in Relation to Solvent Parameters. Langmuir, 2014, 30, 3228-3235.	3.5	47
133	Enhanced performance of sulfone-based electrolytes at lithium ion battery electrodes, including the LiNi0.5Mn1.5O4 high voltage cathode. Journal of Power Sources, 2014, 262, 123-128.	7.8	63
134	Chelate Effects in Glyme/Lithium Bis(trifluoromethanesulfonyl)amide Solvate Ionic Liquids. I. Stability of Solvate Cations and Correlation with Electrolyte Properties. Journal of Physical Chemistry B, 2014, 118, 5144-5153.	2.6	194
135	Phase Diagrams and Solvate Structures of Binary Mixtures of Glymes and Na Salts. Journal of Physical Chemistry B, 2013, 117, 15072-15085.	2.6	63
136	Ionic Liquid Electrolytes for Lithiumâ€“Sulfur Batteries. Journal of Physical Chemistry C, 2013, 117, 20531-20541.	3.1	259
137	Anionic Effects on Solvate Ionic Liquid Electrolytes in Rechargeable Lithiumâ€“Sulfur Batteries. Journal of Physical Chemistry C, 2013, 117, 20509-20516.	3.1	166
138	EQCM Measurement of Deposition and Dissolution of Lithium in Glyme-Li Salt Molten Complex. Journal of the Electrochemical Society, 2013, 160, A1529-A1533.	2.9	38
139	Solvent Effect of Room Temperature Ionic Liquids on Electrochemical Reactions in Lithiumâ€“Sulfur Batteries. Journal of Physical Chemistry C, 2013, 117, 4431-4440.	3.1	182
140	Anhydrous Superprotonic Polymer by Superacid Protonation of Cross-linked (PNCl₂)_n. Journal of Physical Chemistry C, 2013, 117, 1548-1553.	3.1	4
141	Solvate Ionic Liquid Electrolyte for Liâ€“S Batteries. Journal of the Electrochemical Society, 2013, 160, A1304-A1310.	2.9	421
142	Solvate Ionic Liquid, [Li(triglyme)1][NTf2], as Electrolyte for Rechargeable Liâ€“Air Battery: Discharge Depth and Reversibility. Chemistry Letters, 2013, 42, 1053-1055.	1.3	29
143	Colloidal Stability in Ionic Liquids and Relevant Soft Materials. Materials Research Society Symposia Proceedings, 2012, 1473, 7.	0.1	4
144	4ï¼Žã‚³ãƒã‚ƒåˆ†æ•£å²'ä½“ã•ã•–ã¦ ã®ã‚ã‚³æ¶²ä½“. Electrochemistry, 2012, 80, 596-601.	1.4	1

#	Article	IF	Citations
145	Ionic liquids as oxidic media for electron transfer studies. Journal of Chemical Physics, 2012, 136, 244501.	3.0	4
146	Heat Capacities and Glass Transitions of Ion Gels. Journal of Physical Chemistry B, 2012, 116, 10935-10940.	2.6	16
147	Protic Ionic Liquids Based on Decahydroisoquinoline: Lost Superfragility and Ionicity-Fragility Correlation. Journal of Physical Chemistry B, 2012, 116, 63-70.	2.6	37
148	Lithium Salt Solutions in Mixed Sulfone and Sulfone-Carbonate Solvents: A Walden Plot Analysis of the Maximally Conductive Compositions. Journal of Physical Chemistry C, 2012, 116, 23915-23920.	3.1	53
149	Microscopic insights into ion gel dynamics using neutron spectroscopy. Soft Matter, 2012, 8, 7888.	2.7	24
150	Glymeâ€“Lithium Salt Equimolar Molten Mixtures: Concentrated Solutions or Solvate Ionic Liquids?. Journal of Physical Chemistry B, 2012, 116, 11323-11331.	2.6	348
151	High Conductivity, and â€œDryâ€•Proton Motion, in Guanidinium Salt Melts and Binary Solutions. Journal of Physical Chemistry B, 2011, 115, 13467-13472.	2.6	28
152	From Colloidal Stability in Ionic Liquids to Advanced Soft Materials Using Unique Media. Langmuir, 2011, 27, 9105-9115.	3.5	136
153	On the Decoupling of Relaxation Modes in a Molecular Liquid Caused by Isothermal Introduction of 2 nm Structural Inhomogeneities. Journal of Physical Chemistry B, 2011, 115, 13994-13999.	2.6	14
154	Silica Colloidal Suspensions in Ionic Liquids: Colloidal Stability and Fabrication of Ion Gels on the basis of Colloidal Self-Assembly. ACS Symposium Series, 2010, , 199-210.	0.5	1
155	Resonance shear measurement of nanoconfined ionic liquids. Physical Chemistry Chemical Physics, 2010, 12, 4066.	2.8	186
156	Thermosensitive, Soft Glassy and Structural Colored Colloidal Array in Ionic Liquid: Colloidal Glass to Gel Transition. Langmuir, 2010, 26, 18031-18038.	3.5	52
157	Soft Glassy Colloidal Arrays in an Ionic Liquid: Colloidal Glass Transition, Ionic Transport, and Structural Color in Relation to Microstructure. Journal of Physical Chemistry B, 2010, 114, 13095-13103.	2.6	67
158	Ionicity in ionic liquids: correlation with ionic structure and physicochemical properties. Physical Chemistry Chemical Physics, 2010, 12, 1649.	2.8	477
159	Soft is strong. Nature, 2009, 462, 45-46.	27.8	30
160	Thermosensitive Self-Assembly of Diblock Copolymers with Lower Critical Micellization Temperatures in an Ionic Liquid. Macromolecules, 2009, 42, 6239-6244.	4.8	47
161	Colloidal Interaction in Ionic Liquids: Effects of Ionic Structures and Surface Chemistry on Rheology of Silica Colloidal Dispersions. Langmuir, 2009, 25, 825-831.	3.5	122
162	Photoisomerization-Induced Tunable LCST Phase Separation of Azobenzene-Containing Polymers in an Ionic Liquid. Langmuir, 2009, 25, 8845-8848.	3.5	55

#	Article	IF	Citations
163	Electrochromism based on structural colour changes in a polyelectrolyte gel. Journal of Materials Chemistry, 2009, 19, 4778.	6.7	57
164	A soft glassy colloidal array in ionic liquid, which exhibits homogeneous, non-brilliant and angle-independent structural colours. Chemical Communications, 2009, , 3603.	4.1	100
165	Colloidal Stability of Bare and Polymer-Grafted Silica Nanoparticles in Ionic Liquids. Langmuir, 2008, 24, 5253-5259.	3.5	167
166	Nanocomposite Ion Gels Based on Silica Nanoparticles and an Ionic Liquid: Ionic Transport, Viscoelastic Properties, and Microstructure. Journal of Physical Chemistry B, 2008, 112, 9013-9019.	2.6	200
167	Electrochemical Pretreatment of Solidâ€“Electrolyte Interphase Formation for Enhanced Li ₄ Ti ₅ O ₁₂ Anode Performance in a Molten Liâ€“Ca Binary Salt Hydrate Electrolyte. ChemElectroChem, 0, , .	3.4	0
168	LiNi_{0.5}Mn_{1.5}O₄-Hybridized Gel Polymer Cathode and Gel Polymer Electrolyte Containing a Sulfolane-Based Highly Concentrated Electrolyte for the Fabrication of a 5 V Class of Flexible Lithium Batteries. ACS Omega, 0, , .	3.5	3