Robin D Rogers

List of Publications by Year
in descending order

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885 papers	62,262 citations	1614 105 h-index	1347 223 g-index
1037 all docs	1037 docs citations	1037 times ranked	33524 citing authors

#	Article	IF	Citations
1	Chitin extracted from various biomass sources: It's not the same. Fluid Phase Equilibria, 2022, 552, 113286.	2.5	13
2	Design of ionic liquids for dewatering stable solid/liquid complex slurries. AICHE Journal, 2022, 68, .	3.6	0
3	Ionic liquids for bio-product extraction: How do we get technical feasibility, economic feasibility, and social acceptability?. Fluid Phase Equilibria, 2022, 552, 113273.	2.5	0
4	Metalâ€“organic frameworks as hypergolic additives for hybrid rockets. Chemical Science, 2022, 13, 3424-3436.	7.4	14
5	Marine-based green chemistry. Green Chemistry, 2022, 24, 2265-2266.	9.0	4
6	Accessing Lanthanide Tricyanomethanide Coordination Polymers Using Ionic Liquids. Crystal Growth and Design, 2022, 22, 2372-2381.	3.0	5
7	Sandwiched KagomÃ© Lattices in a Coordination Polymer Based on Mixed-Valent Uranium. Crystal Growth and Design, 2021, 21, 1727-1733.	3.0	2
8	3D Printing of Cellulose and Chitin from Ionic Liquids for Drug Delivery: A Mini-Review. , 2021, , 71-90.		0
9	Bismuth coordination chemistry: a brief retrospective spanning crystallography to clinical potential. Journal of Coordination Chemistry, 2021, 74, 129-151.	2.2	2
10	Phase Behavior of Aqueous Biphasic Systems with Choline Alkanoate Ionic Liquids and Phosphate Solutions: The Influence of pH. Molecules, 2021, 26, 1702.	3.8	12
11	Anhydrous vs Hydrated f-Element Acetate Polymers Dictated by the Stoichiometry of Protic Acidic/Basic Azole Mixtures. Crystal Growth and Design, 2021, 21, 2516-2525.	3.0	5
12	Recyclable Magnetic Fe₃O₄ Nanoparticle-Supported Chloroaluminate Ionic Liquids for Heterogeneous Lewis Acid Catalysis. ACS Sustainable Chemistry and Engineering, 2021, 9, 8797-8802.	6.7	12
13	Switchable carbamate coagulants to improve recycling ionic liquid from biomass solutions. Green Chemical Engineering, 2021, 2, 384-391.	6.3	9
14	Ready Access to Anhydrous Anionic Lanthanide Acetates by Using Imidazolium Acetate Ionic Liquids as the Reaction Medium. Chemistry - A European Journal, 2021, 27, 13181-13189.	3.3	7
15	Structural analysis of mono-substituted N-butyl-pyridinium salts: in search of ionic liquids. Journal of Coordination Chemistry, 2021, 74, 117-128.	2.2	2
16	Confusing Ions on Purpose: How Many Parent Acid Molecules Can Be Incorporated in a Herbicidal Ionic Liquid?. ACS Sustainable Chemistry and Engineering, 2021, 9, 1941-1948.	6.7	11
17	Enhanced Dissolution of Chitin Using Acidic Deep Eutectic Solvents: A Sustainable and Simple Approach to Extract Chitin from Crayfish shell Wastes as Alternative Feedstocks. ACS Sustainable Chemistry and Engineering, 2021, 9, 16073-16081.	6.7	23
18	Shape Preserving Single Crystal to Amorphous to Single Crystal Polymorphic Transformation Is Possible. Journal of the American Chemical Society, 2021, 143, 20202-20206.	13.7	0

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19	Agricultural uses of chitin polymers. Environmental Chemistry Letters, 2020, 18, 53-60.	16.2	46
20	Ionic Liquids-Based Bitumen Extraction: Enabling Recovery with Environmental Footprint Comparable to Conventional Oil. ACS Sustainable Chemistry and Engineering, 2020, 8, 632-641.	6.7	21
21	Tuning Ionic Liquids for Simultaneous Dilution and Demulsification of Water-In-Bitumen Emulsions at Ambient Temperature. SPE Journal, 2020, 25, 759-770.	3.1	6
22	Synthesis of Anhydrous Acetates for the Components of Nuclear Fuel Recycling in Dialkylimidazolium Acetate Ionic Liquids. Inorganic Chemistry, 2020, 59, 818-828.	4.0	14
23	Structural Consequences of Halogen Bonding in Dialkylimidazolium: A New Design Strategy for Ionic Liquids Illustrated with the I₂ Cocrystal and Acetonitrile Solvate of 1,3-Dimethylimidazolium Iodide. Crystal Growth and Design, 2020, 20, 498-505.	3.0	4
24	Crystallographic evidence of Watsonâ€“Crick connectivity in the base pair of anionic adenine with thymine. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 18224-18230.	7.1	6
25	Herbicidal Ionic Liquids: A Promising Future for Old Herbicides? Review on Synthesis, Toxicity, Biodegradation, and Efficacy Studies. Journal of Agricultural and Food Chemistry, 2020, 68, 10456-10488.	5.2	44
26	Farmed Jumbo shrimp molts: an ionic liquid strategy to increase chitin yield per animal while controlling molecular weight. Green Chemistry, 2020, 22, 6001-6007.	9.0	8
27	Chloroaluminate Liquid Clathrates: Is It the Cations or the Anions That Drive the Solubility of Aromatics?. Industrial & Engineering Chemistry Research, 2020, 59, 18419-18424.	3.7	12
28	Are Myths and Preconceptions Preventing Us from Applying Ionic Liquid Forms of Antiviral Medicines to the Current Health Crisis?. International Journal of Molecular Sciences, 2020, 21, 6002.	4.1	15
29	Forcing Dicyanamide Coordination to f-Elements by Dissolution in Dicyanamide-Based Ionic Liquids. Inorganic Chemistry, 2020, 59, 7227-7237.	4.0	19
30	A method for determining the uniquely high molecular weight of chitin extracted from raw shrimp shells using ionic iquids. Green Chemistry, 2020, 22, 3734-3741.	9.0	22
31	Conversion of Quinine Derivatives into Biologically Active Ionic Liquids: Advantages, Multifunctionality, and Perspectives. ACS Sustainable Chemistry and Engineering, 2020, 8, 9263-9267.	6.7	12
32	Are ionic liquids and liquid coordination complexes really different? â€“ Synthesis, characterization, and catalytic activity of AlCl₃/base catalysts. Chemical Communications, 2020, 56, 5362-5365.	4.1	16
33	Benchtop access to anhydrous actinide N-donor coordination complexes using ionic liquids. Chemical Communications, 2020, 56, 4232-4235.	4.1	12
34	Replacing HF or AlCl3 in the Acylation of Isobutylbenzene with Chloroaluminate Ionic Liquids. ACS Sustainable Chemistry and Engineering, 2020, 8, 10330-10334.	6.7	18
35	Quantifying the Mineralization of ¹³C-Labeled Cations and Anions Reveals Differences in Microbial Biodegradation of Herbicidal Ionic Liquids between Water and Soil. ACS Sustainable Chemistry and Engineering, 2020, 8, 3412-3426.	6.7	11
36	Controlling the Interface between Salts, Solvates, Co-crystals, and Ionic Liquids with Non-stoichiometric Protic Azolium Azolates. Crystal Growth and Design, 2020, 20, 2608-2616.	3.0	5

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37	Dehydration of UO₂Cl₂Â·3H₂O and Nd(NO₃)₃Â·6H₂O with a Soft Donor Ligand and Comparison of Their Interactions through X-ray Diffraction and Theoretical Investigation. Inorganic Chemistry, 2020, 59, 2861-2869.	4.0	8
38	A fivefold UO22+ node is a path to dodecagonal quasicrystal approximants in coordination polymers. Science Advances, 2020, 6, eaay7685.	10.3	11
39	Are Ionic Liquids Enabling Technology? Startup to Scale-Up to Find Out. Green Chemistry and Sustainable Technology, 2020, , 69-85.	0.7	4
40	Choline-based aqueous biphasic systems: Overview of applications. Fluid Phase Equilibria, 2019, 502, 112258.	2.5	27
41	Hypergolic Triggers as Coâ€crystal Formers: Coâ€crystallization for Creating New Hypergolic Materials with Tunable Energy Content. Angewandte Chemie - International Edition, 2019, 58, 18399-18404.	13.8	25
42	110th Anniversary: High-Molecular-Weight Chitin and Cellulose Hydrogels from Biomass in Ionic Liquids without Chemical Crosslinking. Industrial & Engineering Chemistry Research, 2019, 58, 19862-19876.	3.7	21
43	Hypergolic Triggers as Coâ€crystal Formers: Coâ€crystallization for Creating New Hypergolic Materials with Tunable Energy Content. Angewandte Chemie, 2019, 131, 18570-18575.	2.0	7
44	A Uranyl Metal Organic Framework Arising from the Coordination of a Partially Hydrolyzed Tetrauranyl Node with the Tautomerically Diverse 1,4-(Diamidoximyl)benzene Ligand. Crystal Growth and Design, 2019, 19, 5466-5470.	3.0	8
45	Water in Solutions of Chaotropic and Kosmotropic Salts: A Differential Scanning Calorimetry Investigation. Journal of Chemical & Engineering Data, 2019, 64, 4781-4792.	1.9	6
46	Low-Temperature Bitumen Recovery from Oil-Sand Reservoirs Using Ionic Liquids. SPE Journal, 2019, 24, 2409-2422.	3.1	7
47	Enhanced Acidity and Activity of Aluminum/Gallium-Based Ionic Liquids Resulting from Dynamic Anionic Speciation. ACS Catalysis, 2019, 9, 9789-9793.	11.2	5
48	Applications of Chitin in Agriculture. Sustainable Agriculture Reviews, 2019, , 125-146.	1.1	15
49	Metalâ€“Organic Frameworks as Fuels for Advanced Applications: Evaluating and Modifying the Combustion Energy of Popular MOFs. Chemistry of Materials, 2019, 31, 4882-4888.	6.7	21
50	Insights into Ionic Liquid/Aromatic Systems from NMR Spectroscopy: How Water Affects Solubility and Intermolecular Interactions. ChemPlusChem, 2019, 84, 872-881.	2.8	5
51	Structural Diversity in Tetrakis(4-pyridyl)porphyrin Supramolecular Building Blocks. Crystal Growth and Design, 2019, 19, 3529-3542.	3.0	9
52	Solubility Studies of Cyclosporine Using Ionic Liquids. ACS Omega, 2019, 4, 7938-7943.	3.5	18
53	Enhanced heavy metal adsorption ability of lignocellulosic hydrogel adsorbents by the structural support effect of lignin. Cellulose, 2019, 26, 4005-4019.	4.9	27
54	In Search of Locally Produced Arsenic Sorbents via Impregnation of Cotton with Magnetite Nanoparticles Using Choline Acetate. Advanced Sustainable Systems, 2019, 3, 1800170.	5.3	0

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55	Tuning Ionic Liquids for Simultaneous Dilution and Demulsification of Water-in-Bitumen Emulsions at Ambient Temperature. , 2019, , .		0
56	Hypergolic zeolitic imidazolate frameworks (ZIFs) as next-generation solid fuels: Unlocking the latent energetic behavior of ZIFs. Science Advances, 2019, 5, eaav9044.	10.3	52
57	Advances in Functional Chitin Materials: A Review. ACS Sustainable Chemistry and Engineering, 2019, 7, 6444-6457.	6.7	185
58	8. Recent advances in the electrospinning of biopolymers. , 2019, , 189-216.		1
59	Azolate Anions in Ionic Liquids: Promising and Underâ€Utilized Components of the Ionic Liquid Toolbox. Chemistry - A European Journal, 2019, 25, 2127-2140.	3.3	13
60	Crystallographic Insights into the Behavior of Highly Acidic Metal Cations in Ionic Liquids from Reactions of Titanium Tetrachloride with [1-Butyl-3-Methylimidazolium][X] Ionic Liquids (X = Chloride,) Tj ETQq0 0 4.0 rgBT /Overlock 10		4
61	Active Pharmaceutical Ingredient Ionic Liquid: A New Platform for the Pharmaceutical Industry. , 2019, , 1-14.		2
62	Chitin as a Resource for Eco-Friendly Bioplastics. , 2019, , 1-8.		3
63	Ionic liquids for sustainable processes: Liquid metal catalysis. Current Opinion in Green and Sustainable Chemistry, 2018, 11, 15-21.	5.9	40
64	Odd-even effect on the formation of aqueous biphasic systems formed by 1-alkyl-3-methylimidazolium chloride ionic liquids and salts. Journal of Chemical Physics, 2018, 148, .	3.0	16
65	Investigation of BINOL-3,3â€²-dicarboxylate as a ligand for the formation of extended coordination-based structures. Supramolecular Chemistry, 2018, 30, 488-503.	1.2	4
66	Ionic liquids in cross-coupling reactions: â€œliquidâ€•solutions to a â€œsolidâ€•precipitation problem. Chemical Communications, 2018, 54, 2056-2059.	4.1	12
67	Scaling-Up Ionic Liquid-Based Technologies: How Much Do We Care About Their Toxicity? Prima Facie Information on 1-Ethyl-3-Methylimidazolium Acetate. Toxicological Sciences, 2018, 161, 249-265.	3.1	47
68	Nanodarts, nanoblades, and nanospikes: Mechano-bactericidal nanostructures and where to find them. Advances in Colloid and Interface Science, 2018, 252, 55-68.	14.7	109
69	Exploring the role of ionic liquids to tune the polymorphic outcome of organic compounds. Chemical Science, 2018, 9, 1510-1520.	7.4	30
70	Can Melting Point Trends Help Us Develop New Tools To Control the Crystal Packing of Weakly Interacting Ions?. Crystal Growth and Design, 2018, 18, 597-601.	3.0	11
71	Lanthanide complexes with zwitterionic amidoximes stabilized by noncoordinating water molecules. Supramolecular Chemistry, 2018, 30, 411-417.	1.2	2
72	Aqueous Biphasic Systems Composed of Random Ethylene/Propylene Oxide Copolymers, Choline Acetate, and Water for Triazine-Based Herbicide Partitioning Study. Solvent Extraction and Ion Exchange, 2018, 36, 602-616.	2.0	12

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73	Is â€œcholine and geranateâ€•an ionic liquid or deep eutectic solvent system?. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10999.	7.1	26
74	Double Salt Ionic Liquids for Lignin Hydrolysis: One Cation for Catalyst and Solvent Anions. ECS Transactions, 2018, 86, 215-229.	0.5	3
75	Polyoxometalate catalysts for biomass dissolution: understanding and design. Physical Sciences Reviews, 2018, 3, .	0.8	0
76	In Search of Stronger/Cheaper Chitin Nanofibers through Electrospinning of Chitinâ€“Cellulose Composites Using an Ionic Liquid Platform. ACS Sustainable Chemistry and Engineering, 2018, 6, 14713-14722.	6.7	36
77	Porphyrinic Ionic Liquid Dyes: Synthesis and Characterization. ChemistryOpen, 2018, 7, 659-663.	1.9	5
78	Mixed metal double salt ionic liquids comprised of [HN₂₂₂]₂[ZnCl₄] and AlCl₃ provide tunable Lewis acid catalysts related to the ionic environment. Dalton Transactions, 2018, 47, 7795-7803.	3.3	27
79	Elucidating the triethylammonium acetate system: Is it molecular or is it ionic?. Journal of Molecular Liquids, 2018, 269, 126-131.	4.9	24
80	Ionic Liquids. , 2018, , 218-218.		7
81	Enzymatic hydrolysis of ionic liquid-extracted chitin. Carbohydrate Polymers, 2018, 199, 228-235.	10.2	32
82	Advances in Processing Chitin as a Promising Biomaterial from Ionic Liquids. Advances in Biochemical Engineering/Biotechnology, 2018, 168, 177-198.	1.1	9
83	New Reactions for Old Ions: Cage Rearrangements, Hydrolysis, and Two-Electron Reduction of nido-Decaborane in Neat 1-Ethyl-3-Methylimidazolium Acetate. ACS Omega, 2018, 3, 8491-8496.	3.5	4
84	Ionic Liquids as Fragrance Precursors: Smart Delivery Systems for Volatile Compounds. Industrial & Engineering Chemistry Research, 2018, 57, 16069-16076.	3.7	19
85	Ionic Liquid Platform for Spinning Composite Chitinâ€“Poly(lactic acid) Fibers. ACS Sustainable Chemistry and Engineering, 2018, 6, 10241-10251.	6.7	39
86	Combustion Behavior of High Energy Density Boraneâ€“Aluminum Nanoparticles in Hypergolic Ionic Liquids. Energy & Fuels, 2018, 32, 7898-7908.	5.1	10
87	Singlet Oxygen Production and Tunable Optical Properties of Deacetylated Chitin-Porphyrin Crosslinked Films. Biomacromolecules, 2018, 19, 3291-3300.	5.4	20
88	Cocrystal formation by ionic liquid-assisted grinding: case study with cocrystals of caffeine. CrystEngComm, 2018, 20, 3817-3821.	2.6	37
89	Which Part of a Shrimp Has More Economic Value, the Shell or the Meat?. ECS Meeting Abstracts, 2018, , .	0.0	0
90	(Physical and Analytical Electrochemistry Division Max Bredig Award Address in Molten Salt and Ionic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf the Journey?. ECS Meeting Abstracts, 2018, , .	0.0	0

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91	Double Salt Ionic Liquids for Lignin Hydrolysis: One Cation for Catalyst and Solvent Anions. ECS Meeting Abstracts, 2018, , .	0.0	1
92	Polyethylene glycol derivatization of the non-active ion in active pharmaceutical ingredient ionic liquids enhances transdermal delivery. New Journal of Chemistry, 2017, 41, 1499-1508.	2.8	34
93	Old Years, New Years, Welcomes, and Social Media. Crystal Growth and Design, 2017, 17, 1-2.	3.0	0
94	The effects of pH on the partitioning of aromatic acids in a polyethylene glycol/dextran aqueous biphasic system. Separation Science and Technology, 2017, 52, 843-851.	2.5	3
95	The A Priori Design and Selection of Ionic Liquids as Solvents for Active Pharmaceutical Ingredients. Chemistry - A European Journal, 2017, 23, 5498-5508.	3.3	26
96	Crystal structure of Zn(ZnCl₄)₂(Cho)₂: the transformation of ions to neutral species in a deep eutectic system. Chemical Communications, 2017, 53, 5449-5452.	4.1	6
97	Transdermal Bioavailability in Rats of Lidocaine in the Forms of Ionic Liquids, Salts, and Deep Eutectic. ACS Medicinal Chemistry Letters, 2017, 8, 498-503.	2.8	64
98	Temperature dependency of aqueous biphasic systems: an alternative approach for exploring the differences between Coulombic-dominated salts and ionic liquids. Chemical Communications, 2017, 53, 7298-7301.	4.1	28
99	Switchable (pH-driven) aqueous biphasic systems formed by ionic liquids as integrated productionâ€“separation platforms. Green Chemistry, 2017, 19, 2768-2773.	9.0	31
100	Facile Preparation of Starch-Based Electroconductive Films with Ionic Liquid. ACS Sustainable Chemistry and Engineering, 2017, 5, 5457-5467.	6.7	58
101	Electrospinning Biopolymers from Ionic Liquids Requires Control of Different Solution Properties than Volatile Organic Solvents. ACS Sustainable Chemistry and Engineering, 2017, 5, 5512-5519.	6.7	44
102	Versatility and remarkable hypergolicity of exo-6, exo-9 imidazole-substituted nido-decaborane. Chemical Communications, 2017, 53, 7736-7739.	4.1	29
103	Metal carbonate complexes formed through the capture of ambient O2 and CO2 by elemental metals in 1-methylimidazole: molecular Cu(CO3)(MeIm)3 and polymeric M(CO3)(MeIm)2Â·2H2O (M = Co, Zn). Dalton Transactions, 2017, 46, 8920-8923.	3.3	6
104	Two Herbicides in a Single Compound: Double Salt Herbicidal Ionic Liquids Exemplified with Glyphosate, Dicamba, and MCPA. ACS Sustainable Chemistry and Engineering, 2017, 5, 6261-6273.	6.7	62
105	Dissolution of Starch with Aqueous Ionic Liquid under Ambient Conditions. ACS Sustainable Chemistry and Engineering, 2017, 5, 3737-3741.	6.7	47
106	â€œPracticalâ€•Electrospinning of Biopolymers in Ionic Liquids. ChemSusChem, 2017, 10, 106-111.	6.8	43
107	A Triple Saltingâ€Out Effect is Required for the Formation of Ionicâ€Liquidâ€Based Aqueous Multiphase Systems. Angewandte Chemie - International Edition, 2017, 56, 15058-15062.	13.8	14
108	Porous Chitin Microbeads for More Sustainable Cosmetics. ACS Sustainable Chemistry and Engineering, 2017, 5, 11660-11667.	6.7	57

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109	Translational Research from Academia to Industry: Following the Pathway of George Washington Carver. ACS Symposium Series, 2017, , 17-33.	0.5	10
110	Group IIIA Halometallate Ionic Liquids: Speciation and Applications in Catalysis. ACS Catalysis, 2017, 7, 7014-7028.	11.2	61
111	Double salt ionic liquids based on 1-ethyl-3-methylimidazolium acetate and hydroxyl-functionalized ammonium acetates: strong effects of weak interactions. Physical Chemistry Chemical Physics, 2017, 19, 26934-26943.	2.8	20
112	Separate mechanisms of ion oligomerization tune the physicochemical properties of n-butylammonium acetate: cation-base clusters vs. anion-acid dimers. Physical Chemistry Chemical Physics, 2017, 19, 25544-25554.	2.8	18
113	Measuring the Purity of Chitin with a Clean, Quantitative Solid-State NMR Method. ACS Sustainable Chemistry and Engineering, 2017, 5, 8011-8016.	6.7	35
114	Ionic liquids for consumer products: Dissolution, characterization, and controlled release of fragrance compositions. Fluid Phase Equilibria, 2017, 450, 51-56.	2.5	11
115	Understanding Carbon Dioxide Solubility in Ionic Liquids by Exploring the Link with Liquid Clathrate Formation. Chemistry - A European Journal, 2017, 23, 14332-14337.	3.3	12
116	Polythianthrene ladder oligomers function as an organic battery electrode with a high oxidation potential. Synthetic Metals, 2017, 231, 44-50.	3.9	9
117	Formation of ionic co-crystals of amphoteric azoles directed by the ionic liquid co-former 1-ethyl-3-methylimidazolium acetate. Chemical Communications, 2017, 53, 8569-8572.	4.1	10
118	Acyclovir as an Ionic Liquid Cation or Anion Can Improve Aqueous Solubility. ACS Omega, 2017, 2, 3483-3493.	3.5	36
119	Efficient dehydration and recovery of ionic liquid after lignocellulosic processing using pervaporation. Biotechnology for Biofuels, 2017, 10, 154.	6.2	72
120	A platform for more sustainable chitin films from an ionic liquid process. Green Chemistry, 2017, 19, 117-126.	9.0	75
121	15N-, 13C- and 1H-NMR Spectroscopy Characterization and Growth Inhibitory Potency of a Combi-Molecule Synthesized by Acetylation of an Unstable Monoalkyltriazene. Molecules, 2017, 22, 1183.	3.8	7
122	Ionic Liquids for Sustainable Chemical Processes. , 2017, , 645-651.		1
123	Structure-directing effects of ionic liquids in the ionothermal synthesis of metalâ€“organic frameworks. IUCrJ, 2017, 4, 380-392.	2.2	48
124	A Triple Saltingâ€Out Effect is Required for the Formation of Ionicâ€Liquidâ€Based Aqueous Multiphase Systems. Angewandte Chemie, 2017, 129, 15254-15258.	2.0	2
125	Structural and Theoretical Study of Salts of the [B₉H₁₄]^{â^'} Ion: Isolation of Multiple Isomers and Implications for Energy Storage. ChemPlusChem, 2016, 81, 922-925.	2.8	8
126	Structural and Theoretical Study of Salts of the [B9 H14]â^' Ion: Isolation of Multiple Isomers and Implications for Energy Storage. ChemPlusChem, 2016, 81, 903-903.	2.8	0

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127	Different characteristic effects of ageing on starch-based films plasticised by 1-ethyl-3-methylimidazolium acetate and by glycerol. Carbohydrate Polymers, 2016, 146, 67-79.	10.2	49
128	Double Salt Ionic Liquids Containing the Trihexyl(tetradecyl)phosphonium Cation: The Ability to Tune the Solubility of Aromatics, Ethers, and Lipophilic Compounds. ECS Transactions, 2016, 75, 451-465.	0.5	8
129	A critical assessment of the mechanisms governing the formation of aqueous biphasic systems composed of protic ionic liquids and polyethylene glycol. Physical Chemistry Chemical Physics, 2016, 18, 30009-30019.	2.8	18
130	On the Hunt for More Benign and Biocompatible ABS. Green Chemistry and Sustainable Technology, 2016, , 247-284.	0.7	3
131	Pulping of Crustacean Waste Using Ionic Liquids: To Extract or Not To Extract. ACS Sustainable Chemistry and Engineering, 2016, 4, 6072-6081.	6.7	73
132	Preparation and comparison of bulk and membrane hydrogels based on Kraft- and ionic-liquid-isolated lignins. Green Chemistry, 2016, 18, 5607-5620.	9.0	56
133	Recognizing, Catalyzing, and Embracing Change. Crystal Growth and Design, 2016, 16, 1-2.	3.0	2
134	Stripping Uranium from Seawater-Loaded Sorbents with the Ionic Liquid Hydroxylammonium Acetate in Acetic Acid for Efficient Reuse. Industrial & Engineering Chemistry Research, 2016, 55, 4321-4327.	3.7	4
135	Comparison of Hydrogels Prepared with Ionic-Liquid-Isolated vs Commercial Chitin and Cellulose. ACS Sustainable Chemistry and Engineering, 2016, 4, 471-480.	6.7	100
136	Extraction of Sandalwood Oil Using Ionic Liquids: Toward a â€œGreenerâ€•More Efficient Process. Green Chemistry and Sustainable Technology, 2016, , 121-133.	0.7	1
137	Hydrogels based on cellulose and chitin: fabrication, properties, and applications. Green Chemistry, 2016, 18, 53-75.	9.0	522
138	Using Crystal Structures of Ionic Compounds to Explore Complexation and Extraction of Rare Earth Elements in Ionic Liquids. Green Chemistry and Sustainable Technology, 2016, , 21-42.	0.7	4
139	Aluminum Reduction via Near Room Temperature Electrolysis in Ionic Liquids. , 2016, , 1100-1106.		5
140	Crystal structure of 4â€²-bromo-2,5-dihydroxy-2â€²,5â€²-dimethoxy-[1,1â€²-biphenyl]-3,4-dicarbonitrile. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 667-670.	0.5	1
141	Crystal structure of 4,4â€²-dibromo-2â€²,5â€²-dimethoxy-[1,1â€²-biphenyl]-2,5-dione (BrHBQBr). Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, 1454-1456.	0.5	4
142	Eliminating The Need For Chemistry. Chemical & Engineering News, 2015, 93, 42-43.	0.1	7
143	Nonstoichiometric, Protic Azolium Azolate Ionic Liquids Provide Unique Environments for Nâ€Donor Coordination Chemistry. Chemistry - A European Journal, 2015, 21, 17196-17199.	3.3	11
144	Chemistry: Develop ionic liquid drugs. Nature, 2015, 528, 188-189.	27.8	176

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145	Manipulation of ionic liquid anionâ€“soluteâ€“antisolvent interactions for the purification of acetaminophen. Chemical Communications, 2015, 51, 4294-4297.	4.1	34
146	Mechanism of Bismuth Telluride Exfoliation in an Ionic Liquid Solvent. Langmuir, 2015, 31, 3644-3652.	3.5	45
147	Metsulfuron-Methyl-Based Herbicidal Ionic Liquids. Journal of Agricultural and Food Chemistry, 2015, 63, 3357-3366.	5.2	57
148	Effect of Temperature on Saltâ€“Salt Aqueous Biphasic Systems: Manifestations of Upper Critical Solution Temperature. Journal of Solution Chemistry, 2015, 44, 454-468.	1.2	12
149	Ionic Fluids Containing Both Strongly and Weakly Interacting Ions of the Same Charge Have Unique Ionic and Chemical Environments as a Function of Ion Concentration. ChemPhysChem, 2015, 16, 993-1002.	2.1	27
150	Characteristics of starch-based films with different amylose contents plasticised by 1-ethyl-3-methylimidazolium acetate. Carbohydrate Polymers, 2015, 122, 160-168.	10.2	50
151	Aminopyridine complexes of Cr(III) basic carboxylates as potential polymer precursors: Synthesis, characterization, and crystal structure of [Cr3O(propionate)6(X-aminopyridine)3]+ (X = 3 or 4). Polyhedron, 2015, 100, 17-27.	2.2	10
152	Understanding the structural disorganization of starch in waterâ€“ionic liquid solutions. Physical Chemistry Chemical Physics, 2015, 17, 13860-13871.	2.8	73
153	Electrical conductivity in two mixed-valence liquids. Physical Chemistry Chemical Physics, 2015, 17, 14107-14114.	2.8	7
154	Controlling the Formation of Ionicâ€Liquidâ€based Aqueous Biphasic Systems by Changing the Hydrogenâ€Bonding Ability of Polyethylene Glycol End Groups. ChemPhysChem, 2015, 16, 2219-2225.	2.1	41
155	The Use of Cooling Crystallization in an Ionic Liquid System for the Purification of Pharmaceuticals. Crystal Growth and Design, 2015, 15, 4946-4951.	3.0	35
156	Isolation of Uranyl Dicyanamide Complexes from N-Donor Ionic Liquids. Inorganic Chemistry, 2015, 54, 10323-10334.	4.0	12
157	Sulfasalazine in ionic liquid form with improved solubility and exposure. MedChemComm, 2015, 6, 1837-1841.	3.4	59
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