Robin D Rogers

List of Publications by Year in Descending Order

870 papers	54,637 citations	98 h-index	211 g-index
1,036 ext. papers	57,991 ext. citations	5.3 avg, IF	7.73 L-index

#	Paper	IF	Citations
870	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	
869	Metal-organic frameworks as hypergolic additives for hybrid rockets.. *Chemical Science*, **2022**, 13, 3424-3436	9.4	1
868	Accessing Lanthanide Tricyanomethanide Coordination Polymers Using Ionic Liquids. *Crystal Growth and Design*, **2022**, 22, 2372-2381	3.5	0
867	Shape Preserving Single Crystal to Amorphous to Single Crystal Polymorphic Transformation Is Possible. *Journal of the American Chemical Society*, **2021**, 143, 20202-20206	16.4	
866	Chitin Extracted from Various Biomass Sources: It's Not The Same. *Fluid Phase Equilibria*, **2021**, 113286	2.5	4
865	Phase Behavior of Aqueous Biphasic Systems with Choline Alkanoate Ionic Liquids and Phosphate Solutions: The Influence of pH. *Molecules*, **2021**, 26,	4.8	4
864	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	3.5	0
863	Recyclable Magnetic Fe3O4 Nanoparticle-Supported Chloroaluminate Ionic Liquids for Heterogeneous Lewis Acid Catalysis. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 8797-8802	8.3	5
862	Switchable carbamate coagulants to improve recycling ionic liquid from biomass solutions. *Green Chemical Engineering*, **2021**,	3	4
861	Sandwiched Kagom Lattices in a Coordination Polymer Based on Mixed-Valent Uranium. *Crystal Growth and Design*, **2021**, 21, 1727-1733	3.5	1
860	3D Printing of Cellulose and Chitin from Ionic Liquids for Drug Delivery: A Mini-Review **2021**, 71-90		
859	Bismuth coordination chemistry: a brief retrospective spanning crystallography to clinical potential. *Journal of Coordination Chemistry*, **2021**, 74, 129-151	1.6	2
858	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	4.8	3
857	Structural analysis of mono-substituted N-butyl-pyridinium salts: in search of ionic liquids. *Journal of Coordination Chemistry*, **2021**, 74, 117-128	1.6	1
856	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	8.3	4
855	Forcing Dicyanamide Coordination to f-Elements by Dissolution in Dicyanamide-Based Ionic Liquids. *Inorganic Chemistry*, **2020**, 59, 7227-7237	5.1	10
854	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	10	16

853	Conversion of Quinine Derivatives into Biologically Active Ionic Liquids: Advantages, Multifunctionality, and Perspectives. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 9263-9267	8.3	4
852	Are ionic liquids and liquid coordination complexes really different? - Synthesis, characterization, and catalytic activity of AlCl/base catalysts. *Chemical Communications*, **2020**, 56, 5362-5365	5.8	10
851	Benchtop access to anhydrous actinide N-donor coordination complexes using ionic liquids. *Chemical Communications*, **2020**, 56, 4232-4235	5.8	8
850	Replacing HF or AlCl3 in the Acylation of Isobutylbenzene with Chloroaluminate Ionic Liquids. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 10330-10334	8.3	10
849	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	8.3	5
848	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	3.5	3
847	Dehydration of UOCl•3HO and Nd(NO)•6HO with a Soft Donor Ligand and Comparison of Their Interactions through X-ray Diffraction and Theoretical Investigation. *Inorganic Chemistry*, **2020**, 59, 2861-2869	5.1	6
846	A fivefold node is a path to dodecagonal quasicrystal approximants in coordination polymers. *Science Advances*, **2020**, 6, eaay7685	14.3	8
845	Are Ionic Liquids Enabling Technology? Startup to Scale-Up to Find Out. *Green Chemistry and Sustainable Technology*, **2020**, 69-85	1.1	2
844	Ionic Liquids-Based Bitumen Extraction: Enabling Recovery with Environmental Footprint Comparable to Conventional Oil. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 632-641	8.3	9
843	Tuning Ionic Liquids for Simultaneous Dilution and Demulsification of Water-In-Bitumen Emulsions at Ambient Temperature. *SPE Journal*, **2020**, 25, 759-770	3.1	4
842	Synthesis of Anhydrous Acetates for the Components of Nuclear Fuel Recycling in Dialkylimidazolium Acetate Ionic Liquids. *Inorganic Chemistry*, **2020**, 59, 818-828	5.1	10
841	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	3.5	1
840	Crystallographic evidence of Watson-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	11.5	4
839	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	5.7	13
838	Farmed Jumbo shrimp molts: an ionic liquid strategy to increase chitin yield per animal while controlling molecular weight. *Green Chemistry*, **2020**, 22, 6001-6007	10	3
837	Chloroaluminate Liquid Clathrates: Is It the Cations or the Anions That Drive the Solubility of Aromatics?. *Industrial & Engineering Chemistry Research*, **2020**, 59, 18419-18424	3.9	7
836	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,	6.3	12

835	Agricultural uses of chitin polymers. *Environmental Chemistry Letters*, **2020**, 18, 53-60	13.3	20
834	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	3.5	2
833	Water in Solutions of Chaotropic and Kosmotropic Salts: A Differential Scanning Calorimetry Investigation. *Journal of Chemical & Engineering Data*, **2019**, 64, 4781-4792	2.8	2
832	Low-Temperature Bitumen Recovery from Oil-Sand Reservoirs Using Ionic Liquids. *SPE Journal*, **2019**, 24, 2409-2422	3.1	3
831	Enhanced Acidity and Activity of Aluminum/Gallium-Based Ionic Liquids Resulting from Dynamic Anionic Speciation. *ACS Catalysis*, **2019**, 9, 9789-9793	13.1	4
830	Applications of Chitin in Agriculture. *Sustainable Agriculture Reviews*, **2019**, 125-146	1.3	11
829	Metal Organic Frameworks as Fuels for Advanced Applications: Evaluating and Modifying the Combustion Energy of Popular MOFs. *Chemistry of Materials*, **2019**, 31, 4882-4888	9.6	11
828	Insights into Ionic Liquid/Aromatic Systems from NMR Spectroscopy: How Water Affects Solubility and Intermolecular Interactions. *ChemPlusChem*, **2019**, 84, 872-881	2.8	5
827	Structural Diversity in Tetrakis(4-pyridyl)porphyrin Supramolecular Building Blocks. *Crystal Growth and Design*, **2019**, 19, 3529-3542	3.5	4
826	Solubility Studies of Cyclosporine Using Ionic Liquids. *ACS Omega*, **2019**, 4, 7938-7943	3.9	9
825	Enhanced heavy metal adsorption ability of lignocellulosic hydrogel adsorbents by the structural support effect of lignin. *Cellulose*, **2019**, 26, 4005-4019	5.5	17
824	In Search of Locally Produced Arsenic Sorbents via Impregnation of Cotton with Magnetite Nanoparticles Using Choline Acetate. *Advanced Sustainable Systems*, **2019**, 3, 1800170	5.9	
823	Hypergolic zeolitic imidazolate frameworks (ZIFs) as next-generation solid fuels: Unlocking the latent energetic behavior of ZIFs. *Science Advances*, **2019**, 5, eaav9044	14.3	31
822	Advances in Functional Chitin Materials: A Review. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 6444-6457	8.3	107
821	Advances in Processing Chitin as a Promising Biomaterial from Ionic Liquids. *Advances in Biochemical Engineering/Biotechnology*, **2019**, 168, 177-198	1.7	6
820	Choline-based aqueous biphasic systems: Overview of applications. *Fluid Phase Equilibria*, **2019**, 502, 112258	2.5	17
819	Hypergolic Triggers as Co-crystal Formers: Co-crystallization for Creating New Hypergolic Materials with Tunable Energy Content. *Angewandte Chemie - International Edition*, **2019**, 58, 18399-18404	16.4	14
818	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	3.8	12

817	Hypergolic Triggers as Co-crystal Formers: Co-crystallization for Creating New Hypergolic Materials with Tunable Energy Content. *Angewandte Chemie*, **2019**, 131, 18570-18575	3.6	6
816	8. Recent advances in the electrospinning of biopolymers **2019**, 189-216		1
815	Azolate Anions in Ionic Liquids: Promising and Under-Utilized Components of the Ionic Liquid Toolbox. *Chemistry - A European Journal*, **2019**, 25, 2127-2140	4.8	6
814	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, Bromide, Tetrafluoroborate). *Inorganic Chemistry*, **2019**, 58, 1764-1773	5.1	3
813	Ionic liquids for sustainable processes: Liquid metal catalysis. *Current Opinion in Green and Sustainable Chemistry*, **2018**, 11, 15-21	7.9	27
812	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,	3.9	14
811	Investigation of BINOL-3,3?-dicarboxylate as a ligand for the formation of extended coordination-based structures. *Supramolecular Chemistry*, **2018**, 30, 488-503	1.8	4
810	Ionic liquids in cross-coupling reactions: "liquid" solutions to a "solid" precipitation problem. *Chemical Communications*, **2018**, 54, 2056-2059	5.8	8
809	Ionic Liquids in Pharmaceutical Industry **2018**, 539-577		12
808	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	4.4	31
807	Nanodarts, nanoblades, and nanospikes: Mechano-bactericidal nanostructures and where to find them. *Advances in Colloid and Interface Science*, **2018**, 252, 55-68	14.3	68
806	Exploring the role of ionic liquids to tune the polymorphic outcome of organic compounds. *Chemical Science*, **2018**, 9, 1510-1520	9.4	19
805	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	3.5	7
804	Elucidating the triethylammonium acetate system: Is it molecular or is it ionic?. *Journal of Molecular Liquids*, **2018**, 269, 126-131	6	17
803	Ionic Liquids **2018**, 218-218		2
802	Enzymatic hydrolysis of ionic liquid-extracted chitin. *Carbohydrate Polymers*, **2018**, 199, 228-235	10.3	23
801	New Reactions for Old Ions: Cage Rearrangements, Hydrolysis, and Two-Electron Reduction of -Decaborane in Neat 1-Ethyl-3-Methylimidazolium Acetate. *ACS Omega*, **2018**, 3, 8491-8496	3.9	3
800	Ionic Liquids as Fragrance Precursors: Smart Delivery Systems for Volatile Compounds. *Industrial & Engineering Chemistry Research*, **2018**, 57, 16069-16076	3.9	10

799	Ionic Liquid Platform for Spinning Composite Chitin–Poly(lactic acid) Fibers. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 10241-10251	8.3	27
798	Combustion Behavior of High Energy Density Borane–Aluminum Nanoparticles in Hypergolic Ionic Liquids. *Energy & Fuels*, **2018**, 32, 7898-7908	4.1	7
797	Singlet Oxygen Production and Tunable Optical Properties of Deacetylated Chitin-Porphyrin Crosslinked Films. *Biomacromolecules*, **2018**, 19, 3291-3300	6.9	19
796	Cocrystal formation by ionic liquid-assisted grinding: case study with cocrystals of caffeine. *CrystEngComm*, **2018**, 20, 3817-3821	3.3	29
795	Lanthanide complexes with zwitterionic amidoximes stabilized by noncoordinating water molecules** Dedicated to Prof. Jerry L. Atwood for his 75th birthday.View all notes. *Supramolecular Chemistry*, **2018**, 30, 411-417	1.8	2
794	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	2.5	7
793	Is "choline and geranate" an ionic liquid or deep eutectic solvent system?. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E10999	11.5	18
792	Double Salt Ionic Liquids for Lignin Hydrolysis: One Cation for Catalyst and Solvent Anions. *ECS Transactions*, **2018**, 86, 215-229	1	3
791	In Search of Stronger/Cheaper Chitin Nanofibers through Electrospinning of Chitin–Cellulose Composites Using an Ionic Liquid Platform. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 14713-14722	8.3	27
790	Porphyrinic Ionic Liquid Dyes: Synthesis and Characterization. *ChemistryOpen*, **2018**, 7, 659-663	2.3	2
789	Mixed metal double salt ionic liquids comprised of [HN][ZnCl] and AlCl provide tunable Lewis acid catalysts related to the ionic environment. *Dalton Transactions*, **2018**, 47, 7795-7803	4.3	16
788	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	3.6	29
787	Old Years, New Years, Welcomes, and Social Media. *Crystal Growth and Design*, **2017**, 17, 1-2	3.5	
786	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
785	The A Priori Design and Selection of Ionic Liquids as Solvents for Active Pharmaceutical Ingredients. *Chemistry - A European Journal*, **2017**, 23, 5498-5508	4.8	16
784	Crystal structure of Zn(ZnCl)(Cho): the transformation of ions to neutral species in a deep eutectic system. *Chemical Communications*, **2017**, 53, 5449-5452	5.8	5
783	Transdermal Bioavailability in Rats of Lidocaine in the Forms of Ionic Liquids, Salts, and Deep Eutectic. *ACS Medicinal Chemistry Letters*, **2017**, 8, 498-503	4.3	46
782	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	5.8	14

781	Switchable (pH-Driven) Aqueous Biphasic Systems formed by Ionic Liquids as Integrated Production-Separation Platforms. *Green Chemistry*, **2017**, 19, 2768-2773	10	22
780	Facile Preparation of Starch-Based Electroconductive Films with Ionic Liquid. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 5457-5467	8.3	41
779	Electrospinning Biopolymers from Ionic Liquids Requires Control of Different Solution Properties than Volatile Organic Solvents. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 5512-5519	8.3	28
778	Versatility and remarkable hypergolicity of exo-6, exo-9 imidazole-substituted nido-decaborane. *Chemical Communications*, **2017**, 53, 7736-7739	5.8	20
777	Metal carbonate complexes formed through the capture of ambient O and CO by elemental metals in 1-methylimidazole: molecular Cu(CO)(MeIm) and polymeric M(CO)(MeIm)·2HO (M = Co, Zn). *Dalton Transactions*, **2017**, 46, 8920-8923	4.3	4
776	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	8.3	45
775	Dissolution of Starch with Aqueous Ionic Liquid under Ambient Conditions. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 3737-3741	8.3	41
774	"Practical" Electrospinning of Biopolymers in Ionic Liquids. *ChemSusChem*, **2017**, 10, 106-111	8.3	35
773	A Triple Salting-Out Effect is Required for the Formation of Ionic-Liquid-Based Aqueous Multiphase Systems. *Angewandte Chemie - International Edition*, **2017**, 56, 15058-15062	16.4	13
772	Porous Chitin Microbeads for More Sustainable Cosmetics *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 11660-11667	8.3	35
771	Translational Research from Academia to Industry: Following the Pathway of George Washington Carver. *ACS Symposium Series*, **2017**, 17-33	0.4	7
770	Ionic Liquids for Sustainable Chemical Processes **2017**, 645-651		1
769	Structure-directing effects of ionic liquids in the ionothermal synthesis of metal-organic frameworks. *IUCrJ*, **2017**, 4, 380-392	4.7	32
768	Group IIIA Halometallate Ionic Liquids: Speciation and Applications in Catalysis. *ACS Catalysis*, **2017**, 7, 7014-7028	13.1	47
767	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	3.6	18
766	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	3.6	14
765	Measuring the Purity of Chitin with a Clean, Quantitative Solid-State NMR Method. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 8011-8016	8.3	29
764	Ionic liquids for consumer products: Dissolution, characterization, and controlled release of fragrance compositions. *Fluid Phase Equilibria*, **2017**, 450, 51-56	2.5	7

763	Understanding Carbon Dioxide Solubility in Ionic Liquids by Exploring the Link with Liquid Clathrate Formation. *Chemistry - A European Journal*, **2017**, 23, 14332-14337	4.8	11
762	Polythianthrene ladder oligomers function as an organic battery electrode with a high oxidation potential. *Synthetic Metals*, **2017**, 231, 44-50	3.6	4
761	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	5.8	9
760	Acyclovir as an Ionic Liquid Cation or Anion Can Improve Aqueous Solubility. *ACS Omega*, **2017**, 2, 3483-3493	3.9	23
759	Efficient dehydration and recovery of ionic liquid after lignocellulosic processing using pervaporation. *Biotechnology for Biofuels*, **2017**, 10, 154	7.8	54
758	A platform for more sustainable chitin films from an ionic liquid process. *Green Chemistry*, **2017**, 19, 117-126	9.2	62
757	N-, C- and H-NMR Spectroscopy Characterization and Growth Inhibitory Potency of a Combi-Molecule Synthesized by Acetylation of an Unstable Monoalkyltriazene. *Molecules*, **2017**, 22,	4.8	6
756	A Triple Salting-Out Effect is Required for the Formation of Ionic-Liquid-Based Aqueous Multiphase Systems. *Angewandte Chemie*, **2017**, 129, 15254-15258	3.6	2
755	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	1.1	2
754	Ionic Liquids for Sustainable Production of Actinides and Lanthanides **2016**, 295-316		2
753	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	3.9	4
752	Comparison of Hydrogels Prepared with Ionic-Liquid-Isolated vs Commercial Chitin and Cellulose. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 471-480	8.3	80
751	Extraction of Sandalwood Oil Using Ionic Liquids: Toward a Greener More Efficient Process. *Green Chemistry and Sustainable Technology*, **2016**, 121-133	1.1	1
750	Hydrogels based on cellulose and chitin: fabrication, properties, and applications. *Green Chemistry*, **2016**, 18, 53-75	10	406
749	Crystal structure of 4'-bromo-2,5-dihy-droxy-2',5'-dimeth-oxy-[1,1'-biphen-yl]-3,4-dicarbo-nitrile. *Acta Crystallographica Section E: Crystallographic Communications*, **2016**, 72, 667-70	0.7	1
748	Aluminum Reduction via Near Room Temperature Electrolysis in Ionic Liquids **2016**, 1100-1106		2
747	Structural and Theoretical Study of Salts of the [B H] Ion: Isolation of Multiple Isomers and Implications for Energy Storage. *ChemPlusChem*, **2016**, 81, 922-925	2.8	6
746	Structural and Theoretical Study of Salts of the [B H] Ion: Isolation of Multiple Isomers and Implications for Energy Storage. *ChemPlusChem*, **2016**, 81, 903	2.8	

745	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	10.3	33
744	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	1	7
743	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	3.6	15
742	On the Hunt for More Benign and Biocompatible ABS. *Green Chemistry and Sustainable Technology*, **2016**, 247-284	1.1	3
741	Pulping of Crustacean Waste Using Ionic Liquids: To Extract or Not To Extract. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 6072-6081	8.3	51
740	Preparation and comparison of bulk and membrane hydrogels based on Kraft- and ionic-liquid-isolated lignins. *Green Chemistry*, **2016**, 18, 5607-5620	10	40
739	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	2.7	9
738	Understanding the structural disorganization of starch in water-ionic liquid solutions. *Physical Chemistry Chemical Physics*, **2015**, 17, 13860-71	3.6	62
737	Electrical conductivity in two mixed-valence liquids. *Physical Chemistry Chemical Physics*, **2015**, 17, 14107-14	3.6	5
736	Controlling the Formation of Ionic-Liquid-based Aqueous Biphasic Systems by Changing the Hydrogen-Bonding Ability of Polyethylene Glycol End Groups. *ChemPhysChem*, **2015**, 16, 2219-25	3.2	36
735	The Use of Cooling Crystallization in an Ionic Liquid System for the Purification of Pharmaceuticals. *Crystal Growth and Design*, **2015**, 15, 4946-4951	3.5	31
734	Isolation of Uranyl Dicyanamide Complexes from N-Donor Ionic Liquids. *Inorganic Chemistry*, **2015**, 54, 10323-34	5.1	10
733	Sulfasalazine in ionic liquid form with improved solubility and exposure. *MedChemComm*, **2015**, 6, 1837-1841	3.1	47
732	Synthesis of 4-sulfonatobenzylphosphines and their application in aqueous-phase palladium-catalyzed cross-coupling. *Journal of Organometallic Chemistry*, **2015**, 777, 16-24	2.3	9
731	Crystal structure of 4,4'-di-bromo-2',5'-dimeth-oxy-[1,1'-biphen-yl]-2,5-dione (BrHBQBr). *Acta Crystallographica Section E: Crystallographic Communications*, **2015**, 71, 1454-6	0.7	3
730	Nonstoichiometric, Protic Azolium Azolate Ionic Liquids Provide Unique Environments for N-Donor Coordination Chemistry. *Chemistry - A European Journal*, **2015**, 21, 17196-9	4.8	9
729	Chemistry: Develop ionic liquid drugs. *Nature*, **2015**, 528, 188-9	50.4	138
728	Manipulation of ionic liquid anion-solute-antisolvent interactions for the purification of acetaminophen. *Chemical Communications*, **2015**, 51, 4294-7	5.8	27

727	Mechanism of bismuth telluride exfoliation in an ionic liquid solvent. *Langmuir*, **2015**, 31, 3644-52	4	33
726	Metsulfuron-methyl-based herbicidal ionic liquids. *Journal of Agricultural and Food Chemistry*, **2015**, 63, 3357-66	5.7	50
725	Effect of Temperature on Salt–Salt Aqueous Biphasic Systems: Manifestations of Upper Critical Solution Temperature. *Journal of Solution Chemistry*, **2015**, 44, 454-468	1.8	10
724	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	3.2	22
723	Characteristics of starch-based films with different amylose contents plasticised by 1-ethyl-3-methylimidazolium acetate. *Carbohydrate Polymers*, **2015**, 122, 160-8	10.3	39
722	Surface modification of ionic liquid-spun chitin fibers for the extraction of uranium from seawater: seeking the strength of chitin and the chemical functionality of chitosan. *Green Chemistry*, **2014**, 16, 1828-1836	10	110
721	Pharmaceutically Active Supported Ionic Liquids **2014**, 385-406		1
720	Mixing ionic liquids—simple mixtures or double salts? *Green Chemistry*, **2014**, 16, 2051	10	260
719	Review: Oxidation of Lignin Using Ionic Liquids—An Innovative Strategy To Produce Renewable Chemicals. *ACS Sustainable Chemistry and Engineering*, **2014**, 2, 322-339	8.3	245
718	Di-tert-butylneopentylphosphine (DTBNpP): An Efficient Ligand in the Palladium-Catalyzed α-Arylation of Ketones. *European Journal of Organic Chemistry*, **2014**, 2014, 7395-7404	3.2	17
717	Structural clues to UO_2^{2+}/VO_2^{+} competition in seawater extraction using amidoxime-based extractants. *Chemical Communications*, **2014**, 50, 12504-7	5.8	83
716	Simultaneous membrane transport of two active pharmaceutical ingredients by charge assisted hydrogen bond complex formation. *Chemical Science*, **2014**, 5, 3449	9.4	85
715	Physical Insight into Switchgrass Dissolution in Ionic Liquid 1-Ethyl-3-methylimidazolium Acetate. *ACS Sustainable Chemistry and Engineering*, **2014**, 2, 1264-1269	8.3	18
714	Dual functional ionic liquids as antimicrobials and plasticisers for medical grade PVCs. *RSC Advances* , **2014**, 4, 8567	3.7	22
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