Robin D Rogers

List of Publications by Citations

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	Dissolution of cellulose [correction of cellose] with ionic liquids. *Journal of the American Chemical Society*, **2002**, 124, 4974-5	16.4	3815
869	Chemistry. Ionic liquids--solvents of the future?. *Science*, **2003**, 302, 792-3	33.3	3335
868	Characterization and comparison of hydrophilic and hydrophobic room temperature ionic liquids incorporating the imidazolium cation. *Green Chemistry*, **2001**, 3, 156-164	10	3198
867	Room temperature ionic liquids as novel media for clean liquid liquid extraction. *Chemical Communications*, **1998**, 1765-1766	5.8	1839
866	Ionic liquid processing of cellulose. *Chemical Society Reviews*, **2012**, 41, 1519-37	58.5	988
865	Controlling the aqueous miscibility of ionic liquids: aqueous biphasic systems of water-miscible ionic liquids and water-structuring salts for recycle, metathesis, and separations. *Journal of the American Chemical Society*, **2003**, 125, 6632-3	16.4	858
864	Complete dissolution and partial delignification of wood in the ionic liquid 1-ethyl-3-methylimidazolium acetate. *Green Chemistry*, **2009**, 11, 646	10	817
863	Ionic liquids are not always green: hydrolysis of 1-butyl-3-methylimidazolium hexafluorophosphate. *Green Chemistry*, **2003**, 5, 361	10	815
862	Polyethylene glycol and solutions of polyethylene glycol as green reaction media. *Green Chemistry*, **2005**, 7, 64	10	794
861	Task-specific ionic liquids for the extraction of metal ions from aqueous solutions. *Chemical Communications*, **2001**, 135-136	5.8	744
860	Supramolecular Isomerism in Coordination Polymers: Conformational Freedom of Ligands in [Co(NO3)2(1,2-bis(4-pyridyl)ethane)1.5]n. *Angewandte Chemie International Edition in English*, **1997**, 36, 972-973		696
859	Can ionic liquids dissolve wood? Processing and analysis of lignocellulosic materials with 1-n-butyl-3-methylimidazolium chloride. *Green Chemistry*, **2007**, 9, 63-69	10	687
858	The third evolution of ionic liquids: active pharmaceutical ingredients. *New Journal of Chemistry*, **2007**, 31, 1429	3.6	665
857	Polymorphs, Salts, and Cocrystals: What's in a Name?. *Crystal Growth and Design*, **2012**, 12, 2147-2152	3.5	595
856	Mechanism of cellulose dissolution in the ionic liquid 1-n-butyl-3-methylimidazolium chloride: a 13C and 35/37Cl NMR relaxation study on model systems. *Chemical Communications*, **2006**, 1271-3	5.8	567
855	Traditional Extractants in Nontraditional Solvents: Groups 1 and 2 Extraction by Crown Ethers in Room-Temperature Ionic Liquids *Industrial & Engineering Chemistry Research*, **2000**, 39, 3596-3604	3.9	560
854	Efficient, halide free synthesis of new, low cost ionic liquids: 1,3-dialkylimidazolium salts containing methyl- and ethyl-sulfate anions. *Green Chemistry*, **2002**, 4, 407-413	10	468

853	Task-specific ionic liquids incorporating novel cations for the coordination and extraction of Hg2+ and Cd2+: synthesis, characterization, and extraction studies. *Environmental Science & Technology*, **2002**, 36, 2523-9	10.3	426
852	The second evolution of ionic liquids: from solvents and separations to advanced materials--energetic examples from the ionic liquid cookbook. *Accounts of Chemical Research*, **2007**, 40, 1182-92	24.3	418
851	Hydrogels based on cellulose and chitin: fabrication, properties, and applications. *Green Chemistry*, **2016**, 18, 53-75	10	406
850	Ionic liquids for energy, materials, and medicine. *Chemical Communications*, **2014**, 50, 9228-50	5.8	396
849	Where are ionic liquid strategies most suited in the pursuit of chemicals and energy from lignocellulosic biomass?. *Chemical Communications*, **2011**, 47, 1405-21	5.8	362
848	Room-temperature ionic liquids: new solvents for f -element separations and associated solution chemistry. *Journal of Solid State Chemistry*, **2003**, 171, 109-113	3.3	344
847	Liquid clathrate formation in ionic liquid-aromatic mixtures. *Chemical Communications*, **2003**, 476-7	5.8	343
846	Ionic liquid salt-induced inactivation and unfolding of cellulase from Trichoderma reesei. *Green Chemistry*, **2003**, 5, 443	10	340
845	Crystal polymorphism in 1-butyl-3-methylimidazolium halides: supporting ionic liquid formation by inhibition of crystallization. *Chemical Communications*, **2003**, 1636	5.8	339
844	Dissolution or extraction of crustacean shells using ionic liquids to obtain high molecular weight purified chitin and direct production of chitin films and fibers. *Green Chemistry*, **2010**, 12, 968	10	320
843	Demonstration of chemisorption of carbon dioxide in 1,3-dialkylimidazolium acetate ionic liquids. *Angewandte Chemie - International Edition*, **2011**, 50, 12024-6	16.4	317
842	Production of bioactive cellulose films reconstituted from ionic liquids. *Biomacromolecules*, **2004**, 5, 1379-84	6.9	317
841	LIQUID/LIQUID EXTRACTION OF METAL IONS IN ROOM TEMPERATURE IONIC LIQUIDS. *Separation Science and Technology*, **2001**, 36, 785-804	2.5	293
840	Ionic Liquids Then and Now: From Solvents to Materials to Active Pharmaceutical Ingredients. *Bulletin of the Chemical Society of Japan*, **2007**, 80, 2262-2269	5.1	280
839	Investigation of aqueous biphasic systems formed from solutions of chaotropic salts with kosmotropic salts (salt–salt ABS). *Green Chemistry*, **2007**, 9, 177-183	10	274
838	High-resolution 13C NMR studies of cellulose and cellulose oligomers in ionic liquid solutions. *Chemical Communications*, **2005**, 1557-9	5.8	274
837	Mixing ionic liquids “simple mixtures” or “double salts”?. *Green Chemistry*, **2014**, 16, 2051	10	260
836	Combustible ionic liquids by design: is laboratory safety another ionic liquid myth?. *Chemical Communications*, **2006**, 2554-6	5.8	260

835	Crystalline vs. ionic liquid salt forms of active pharmaceutical ingredients: a position paper. *Pharmaceutical Research*, **2010**, 27, 521-6	4.5	259
834	Chemical Speciation of the Uranyl Ion under Highly Alkaline Conditions. Synthesis, Structures, and Oxo Ligand Exchange Dynamics. *Inorganic Chemistry*, **1999**, 38, 1456-1466	5.1	252
833	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
832	Ionic liquids. *Accounts of Chemical Research*, **2007**, 40, 1077-8	24.3	243
831	pH-Dependent partitioning in room temperature ionic liquids provides a link to traditional solvent extraction behavior. *Green Chemistry*, **2000**, 2, 1-4	10	241
830	Extraction of cesium ions from aqueous solutions using calix[4]arene-bis(tert-octylbenzo-crown-6) in ionic liquids. *Analytical Chemistry*, **2004**, 76, 3078-83	7.8	239
829	Crystal structures of imidazolium bis(trifluoromethanesulfonyl)imide 'ionic liquid' salts: the first organic salt with a cis-TFSI anion conformation. *Dalton Transactions*, **2004**, 2267-71	4.3	227
828	1,3-dimethylimidazolium-2-carboxylate: the unexpected synthesis of an ionic liquid precursor and carbene-CO2 adduct. *Chemical Communications*, **2003**, 28-9	5.8	226
827	Design Strategies for Solid-State Supramolecular Arrays Containing Both Mixed-Metalated and Freebase Porphyrins. *Journal of the American Chemical Society*, **1999**, 121, 1137-1144	16.4	221
826	Application of ionic liquids as plasticizers for poly(methyl methacrylate). *Chemical Communications*, **2002**, 1370-1	5.8	204
825	The coordination chemistry of actinides in ionic liquids: A review of experiment and simulation. *Coordination Chemistry Reviews*, **2006**, 250, 755-764	23.2	198
824	Structure and reactivity of sterically hindered lithium amides and their diethyl etherates: crystal and molecular structures of [Li{N(SiMe3)2}(OEt2)]2 and tetrakis(2,2,6,6-tetramethylpiperidinatolithium). *Journal of the American Chemical Society*, **1983**, 105, 302-304	16.4	191
823	Uranyl coordination environment in hydrophobic ionic liquids: an in situ investigation. *Inorganic Chemistry*, **2003**, 42, 2197-9	5.1	184
822	Identical extraction behavior and coordination of trivalent or hexavalent f-element cations using ionic liquid and molecular solvents. *Dalton Transactions*, **2005**, 1966-71	4.3	182
821	Rapid dissolution of lignocellulosic biomass in ionic liquids using temperatures above the glass transition of lignin. *Green Chemistry*, **2011**, 13, 2038	10	177
820	Correlation of the melting points of potential ionic liquids (imidazolium bromides and benzimidazolium bromides) using the CODESSA program. *Journal of Chemical Information and Computer Sciences*, **2002**, 42, 225-31		176
819	Solvation of carbohydrates in n,n'-dialkylimidazolium ionic liquids: a multinuclear NMR spectroscopy study. *Journal of Physical Chemistry B*, **2008**, 112, 11071-8	3.4	171
818	Some Novel Liquid Partitioning Systems: Water−Ionic Liquids and Aqueous Biphasic Systems. *Industrial & Engineering Chemistry Research*, **2003**, 42, 413-418	3.9	171

817	Reaction of elemental chalcogens with imidazolium acetates to yield imidazole-2-chalcogenones: direct evidence for ionic liquids as proto-carbenes. *Chemical Communications*, **2011**, 47, 3222-4	5.8	165
816	Using Caenorhabditis elegans to probe toxicity of 1-alkyl-3-methylimidazolium chloride based ionic liquids. *Chemical Communications*, **2004**, 668-9	5.8	165
815	In search of pure liquid salt forms of aspirin: ionic liquid approaches with acetylsalicylic acid and salicylic acid. *Physical Chemistry Chemical Physics*, **2010**, 12, 2011-7	3.6	159
814	QSPR correlation of the melting point for pyridinium bromides, potential ionic liquids. *Journal of Chemical Information and Computer Sciences*, **2002**, 42, 71-4		157
813	Metal ion separations in polyethylene glycol-based aqueous biphasic systems: correlation of partitioning behavior with available thermodynamic hydration data. *Biomedical Applications*, **1996**, 680, 221-9		157
812	Approaches to crystallization from ionic liquids: complex solvents-complex results, or, a strategy for controlled formation of new supramolecular architectures?. *Chemical Communications*, **2006**, 4767-79	5.8	156
811	Ionic liquids with dual biological function: sweet and anti-microbial, hydrophobic quaternary ammonium-based salts. *New Journal of Chemistry*, **2009**, 33, 26-33	3.6	152
810	Conventional free radical polymerization in room temperature ionic liquids: a green approach to commodity polymers with practical advantages. *Chemical Communications*, **2002**, 1368-9	5.8	151
809	On the solubilization of water with ethanol in hydrophobic hexafluorophosphate ionic liquids. *Green Chemistry*, **2002**, 4, 81-87	10	151
808	Solute Partitioning in Aqueous Biphasic Systems Composed of Polyethylene Glycol and Salt:´ The Partitioning of Small Neutral Organic Species. *Industrial & Engineering Chemistry Research*, **2002**, 41, 1892-1904	3.9	149
807	Insight into the interactions that control the phase behaviour of new aqueous biphasic systems composed of polyethylene glycol polymers and ionic liquids. *Chemistry - A European Journal*, **2012**, 18, 1831-9	4.8	144
806	Ionic liquids in drug delivery. *Expert Opinion on Drug Delivery*, **2013**, 10, 1367-81	8	142
805	Bivalent germanium, tin, and lead 2,6-di-tert-butylphenoxides and the crystal and molecular structures of M(OC6H2Me-4-But2-2,6)2 (M = Ge or Sn). *Journal of the American Chemical Society*, **1980**, 102, 2088-2089	16.4	141
804	Ionic liquid-reconstituted cellulose composites as solid support matrices for biocatalyst immobilization. *Biomacromolecules*, **2005**, 6, 2497-502	6.9	139
803	Chemistry: Develop ionic liquid drugs. *Nature*, **2015**, 528, 188-9	50.4	138
802	Prediction of the formation and stabilities of energetic salts and ionic liquids based on ab initio electronic structure calculations. *Journal of Physical Chemistry B*, **2005**, 109, 23196-208	3.4	137
801	Choline-derivative-based ionic liquids. *Chemistry - A European Journal*, **2007**, 13, 6817-27	4.8	134
800	Phase Diagram Data for Several PEG + Salt Aqueous Biphasic Systems at 25 °C. *Journal of Chemical & Engineering Data*, **2003**, 48, 1230-1236	2.8	134

799	Toward the Design of Porous Organic Solids: Modular Honeycomb Grids Sustained by Anions of Trimesic Acid. *Angewandte Chemie International Edition in English*, **1996**, 35, 2213-2215		133
798	Long alkyl chain quaternary ammonium-based ionic liquids and potential applications. *Green Chemistry*, **2006**, 8, 798	10	131
797	Electrospinning of chitin nanofibers directly from an ionic liquid extract of shrimp shells. *Green Chemistry*, **2013**, 15, 601	10	127
796	Spectroscopic, Thermal, and Magnetic Properties of Metal/TCNQ Network Polymers with Extensive Supramolecular Interactions between Layers. *Chemistry of Materials*, **1999**, 11, 736-746	9.6	127
795	Physiological properties of a Pseudomonas strain which grows with p-xylene in a two-phase (organic-aqueous) medium. *Applied and Environmental Microbiology*, **1992**, 58, 2723-9	4.8	126
794	Mercury(II) partitioning from aqueous solutions with a new, hydrophobic ethylene-glycol functionalized bis-imidazolium ionic liquid. *Green Chemistry*, **2003**, 5, 129-135	10	123
793	Aqueous Polymeric Solutions as Environmentally Benign Liquid/Liquid Extraction Media. *Industrial & Engineering Chemistry Research*, **1999**, 38, 2523-2539	3.9	123
792	Cloning of a mineral phosphate-solubilizing gene from Pseudomonas cepacia. *Applied and Environmental Microbiology*, **1995**, 61, 972-8	4.8	121
791	Accurate thermochemical properties for energetic materials applications. II. Heats of formation of imidazolium-, 1,2,4-triazolium-, and tetrazolium-based energetic salts from isodesmic and lattice energy calculations. *Journal of Physical Chemistry B*, **2007**, 111, 4788-800	3.4	120
790	Hydrophobic ionic liquids incorporating N-alkylisoquinolinium cations and their utilization in liquid-liquid separations. *Chemical Communications*, **2001**, 2484-5	5.8	118
789	Magnetite-embedded cellulose fibers prepared from ionic liquid. *Journal of Materials Chemistry*, **2008**, 18, 283-290		116
788	Synthesis and structural elucidation of novel uranyl-crown ether compounds isolated from nitric, hydrochloric, sulfuric, and acetic acids. *Inorganic Chemistry*, **1991**, 30, 2671-2679	5.1	116
787	Carbon Monoxide and Isocyanide Complexes of Trivalent Uranium Metallocenes. *Chemistry - A European Journal*, **1999**, 5, 3000-3009	4.8	114
786	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
785	Network diversity through decoration of trigonal-prismatic nodes: two-step crystal engineering of cationic metal-organic materials. *Angewandte Chemie - International Edition*, **2011**, 50, 11421-4	16.4	110
784	Molecular Chinese blinds: self-organization of tetranitrato lanthanide complexes into open, chiral hydrogen bonded networks. *Chemical Communications*, **1999**, 83-84	5.8	108
783	Advances in Functional Chitin Materials: A Review. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 6444-6457	8.3	107
782	Mono(pentamethylcyclopentadienyl) complexes of cerium(III). Synthesis, molecular structure, thermal stability, and reactivity of (C5Me5)CeX2 (X = 2,6-di-tert-butylphenoxo, CH(SiMe3)2, and N(SiMe3)2) complexes. *Organometallics*, **1989**, 8, 2637-2646	3.8	105

781	Confused ionic liquid ions--a "liquification" and dosage strategy for pharmaceutically active salts. *Chemical Communications*, **2010**, 46, 1215-7	5.8	104
780	Gelation of Ionic Liquids Using a Cross-Linked Poly(Ethylene Glycol) Gel Matrix. *Chemistry of Materials*, **2004**, 16, 3091-3097	9.6	104
779	Liquid forms of pharmaceutical co-crystals: exploring the boundaries of salt formation. *Chemical Communications*, **2011**, 47, 2267-9	5.8	103
778	The acute effect of alcohol on decision making in social drinkers. *Psychopharmacology*, **2005**, 182, 160-9	4.7	103
777	Complexation chemistry of bismuth(III) halides with crown ethers and polyethylene glycols. Structural manifestations of a stereochemically active lone pair. *Journal of the American Chemical Society*, **1992**, 114, 2967-2977	16.4	103
776	New ionic liquids containing an appended hydroxyl functionality from the atom-efficient, one-pot reaction of 1-methylimidazole and acid with propylene oxide. *Green Chemistry*, **2003**, 5, 731	10	101
775	Unprecedented Two-Dimensional Polymers of Mn(II) with TCNQ-[TCNQ = 7,7,8,8-Tetracyanoquinodimethane). *Journal of the American Chemical Society*, **1996**, 118, 12844-12845	16.4	98
774	The formation and molecular structures of (η5-C5H5)3Y·OC4H8 and (η5-C5H5)3La·OC4H8. *Journal of Organometallic Chemistry*, **1981**, 216, 383-392	2.3	98
773	Ionic liquid forms of the herbicide dicamba with increased efficacy and reduced volatility. *Green Chemistry*, **2013**, 15, 2110	10	97
772	Synthesis and X-ray structure determination of highly active Pd(II), Pd(I), and Pd(0) complexes of di(tert-butyl)neopentylphosphine (DTBNpP) in the arylation of amines and ketones. *Journal of Organic Chemistry*, **2010**, 75, 6477-88	4.2	97
771	1-butyl-3-methylimidazolium 3,5-dinitro-1,2,4-triazolate: a novel ionic liquid containing a rigid, planar energetic anion. *Chemical Communications*, **2005**, 868-70	5.8	96
770	Neutral and anionic silylmethyl complexes of the Group 3a and lanthanoid metals; the X-ray crystal and molecular structure of [Li(thf)4][Yb{CH(SiMe3)2}3Cl](thf = tetrahydrofuran). *Journal of the Chemical Society Chemical Communications*, **1978**, 140		96
769	Synthesis and Characterization of Water-Soluble Silver and Palladium Imidazol-2-ylidene Complexes with Noncoordinating Anionic Substituents. *Organometallics*, **2006**, 25, 5151-5158	3.8	94
768	Solvent Properties of Aqueous Biphasic Systems Composed of Polyethylene Glycol and Salt Characterized by the Free Energy of Transfer of a Methylene Group between the Phases and by a Linear Solvation Energy Relationship. *Industrial & Engineering Chemistry Research*, **2002**, 41, 2591-2601	3.9	93
767	Application of the Sterically Demanding Hydrotris(3-tert-butyl-5-methylpyrazolyl)borate Ligand to Ln(II) Chemistry: Synthesis of a New Class of Mixed-Ligand Yb(II) Complexes. *Journal of the American Chemical Society*, **1994**, 116, 8833-8834	16.4	93
766	The crystal structure of N-lithiohexamethyldisilazane, [LiN(SiMe3)2]3. *Journal of Organometallic Chemistry*, **1978**, 157, 229-237	2.3	93
765	Understanding the Effects of Ionicity in Salts, Solvates, Co-Crystals, Ionic Co-Crystals, and Ionic Liquids, Rather than Nomenclature, Is Critical to Understanding Their Behavior. *Crystal Growth and Design*, **2013**, 13, 965-975	3.5	92
764	Highly selective extraction of the uranyl ion with hydrophobic amidoxime-functionalized ionic liquids via η2 coordination. *RSC Advances*, **2012**, 2, 8526	3.7	92

763	Metal Ion Separations in Polyethylene Glycol-Based Aqueous Biphasic Systems. *Separation Science and Technology*, **1993**, 28, 1091-1126	2.5	92
762	Reversible carbon-carbon bond formation in organolanthanide systems. Preparation and properties of lanthanide acetylides [Cp*2LnC.tplbond.CR]n and their rearrangement products [Cp*2Ln]2(.mu.-.eta.2:.eta.2-RC4R) (Ln = La, Ce; R = alkyl). *Organometallics*, **1993**, 12, 2609-2617	3.8	91
761	Solid-State Analysis of Low-Melting 1,3-Dialkylimidazolium Hexafluorophosphate Salts (Ionic Liquids) by Combined X-ray Crystallographic and Computational Analyses. *Crystal Growth and Design*, **2007**, 7, 1106-1114	3.5	88
760	Crystal structures and solution electronic absorption and MCD spectra for perchlorate and halide salts of binuclear gold(I) complexes containing bridging Me2PCH2PMe2 (dmpm) or Me2PCH2CH2PMe2 (dmpe) ligands. *Inorganic Chemistry*, **1989**, 28, 1028-1037	5.1	88
759	Pharmaceutically active ionic liquids with solids handling, enhanced thermal stability, and fast release. *Chemical Communications*, **2012**, 48, 5422-4	5.8	86
758	Simultaneous membrane transport of two active pharmaceutical ingredients by charge assisted hydrogen bond complex formation. *Chemical Science*, **2014**, 5, 3449	9.4	85
757	Drug specific, tuning of an ionic liquid's hydrophilic□pophilic balance to improve water solubility of poorly soluble active pharmaceutical ingredients. *New Journal of Chemistry*, **2013**, 37, 2196	3.6	85
756	Radiation from magnetized accretion disks in active galactic nuclei. *Astrophysical Journal*, **1993**, 403, 94	4.7	85
755	Ionic liquids via reaction of the zwitterionic 1,3-dimethylimidazolium-2-carboxylate with protic acids. Overcoming synthetic limitations and establishing new halide free protocols for the formation of ILs. *Green Chemistry*, **2007**, 9, 90-98	10	84
754	Copyrine alkaloids: synthesis, spectroscopic characterization, and antimycotic/antimycobacterial activity of A- and B-ring-functionalized sampangines. *Journal of Medicinal Chemistry*, **1992**, 35, 4069-77	8.3	84
753	Decomposition of high-oxygen content organoaluminum compounds. The formation and structure of the [Al7O6Me16]- anion. *Organometallics*, **1983**, 2, 985-989	3.8	84
752	Structural clues to UO□+/VO□ competition in seawater extraction using amidoxime-based extractants. *Chemical Communications*, **2014**, 50, 12504-7	5.8	83
751	Chitin-calcium alginate composite fibers for wound care dressings spun from ionic liquid solution. *Journal of Materials Chemistry B*, **2014**, 2, 3924-3936	7.3	82
750	Ionic liquid-based preparation of cellulose-dendrimer films as solid supports for enzyme immobilization. *Biomacromolecules*, **2008**, 9, 381-7	6.9	82
749	Protein Crystallization Using Room Temperature Ionic Liquids. *Crystal Growth and Design*, **2007**, 7, 787-793	3.5	82
748	Partitioning of small organic molecules in aqueous biphasic systems. *Biomedical Applications*, **1998**, 711, 255-63		81
747	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
746	New syntheses and molecular structures of the decamethylmetallocene dicarbonyls (.eta.5-C5Me5)2M(CO)2 (M = titanium, zirconium, hafnium). *Journal of the American Chemical Society*, **1981**, 103, 1265-1267	16.4	79

745	Synthesis, Structures, Dynamics, and Olefin Polymerization Behavior of Group 4 Metal (pyCAr2O)2M(NR2)2 Complexes Containing Bidentate Pyridine□Alkoxide Ancillary Ligands. *Organometallics*, **1997**, 16, 3314-3323	3.8	77
744	Accurate thermochemical properties for energetic materials applications. I. Heats of formation of nitrogen-containing heterocycles and energetic precursor molecules from electronic structure theory. *Journal of Physical Chemistry A*, **2006**, 110, 11890-7	2.8	77
743	Transition Metal Complexes of p-Sulfonatocalix[5]arene. *Inorganic Chemistry*, **1996**, 35, 2602-2610	5.1	76
742	Combining ionic liquids and polyethylene glycols to boost the hydrophobic-hydrophilic range of aqueous biphasic systems. *Physical Chemistry Chemical Physics*, **2013**, 15, 19580-3	3.6	75
741	Simple routes to supramolecular squares with ligand corners:1:1 AgI:pyrimidine cationic tetranuclear assemblies. *Chemical Communications*, **1998**, 215-216	5.8	75
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739	Physicochemical properties of maize cob cellulose powders reconstituted from ionic liquid solution. *Cellulose*, **2012**, 19, 425-433	5.5	72
738	Effects of beta-adrenoceptor blockade on components of human decision-making. *Psychopharmacology*, **2004**, 172, 157-64	4.7	72
737	Heat Capacities of Ionic Liquids and Their Applications as Thermal Fluids. *ACS Symposium Series*, **2003**, 121-133	0.4	72
736	In search of ionic liquids incorporating azolate anions. *Chemistry - A European Journal*, **2006**, 12, 4630-41	4.8	70
735	Alcoholysis of bismuth(III) nitrate pentahydrate by polyethylene glycols. Comparison with bismuth(III) nitrate crown ether complexation. *Journal of the American Chemical Society*, **1992**, 114, 2960-2967	16.4	70
734	The formation and crystal and molecular structures of (□5-pentamethylcyclopentadienyl)(□5-cyclopentadienyl)dichloro-titanium, -zirconium and -hafnium. *Journal of Organometallic Chemistry*, **1985**, 293, 51-60	2.3	70
733	Trineopentylphosphine: a conformationally flexible ligand for the coupling of sterically demanding substrates in the Buchwald-Hartwig amination and Suzuki-Miyaura reaction. *Journal of Organic Chemistry*, **2013**, 78, 4649-64	4.2	69
732	Supported Ionic Liquid Membranes and Facilitated Ionic Liquid Membranes. *ACS Symposium Series*, **2002**, 69-87	0.4	69
731	Solvation of 1-butyl-3-methylimidazolium hexafluorophosphate in aqueous ethanol--a green solution for dissolving 'hydrophobic' ionic liquids. *Chemical Communications*, **2001**, 2070-1	5.8	69
730	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
729	Demonstration of Chemisorption of Carbon Dioxide in 1,3-Dialkylimidazolium Acetate Ionic Liquids. *Angewandte Chemie*, **2011**, 123, 12230-12232	3.6	68
728	Synthesis and properties of chiral imidazolium ionic liquids with a (1R,2S,5R)-(□)-menthoxymethyl substituent. *New Journal of Chemistry*, **2007**, 31, 879-892	3.6	68

727	Interactions of 1-methylimidazole with UO2(CH3CO2)2 and UO2(NO3)2: structural, spectroscopic, and theoretical evidence for imidazole binding to the uranyl ion. *Journal of the American Chemical Society*, **2007**, 129, 526-36	16.4	68
726	Preparation and properties of dinitrogen trimethylphosphine complexes of molybdenum and tungsten. 4. Synthesis, chemical properties, and x-ray structure of cis-[Mo(N2)2(PMe3)4]. The crystal and molecular structures of trans-[Mo(C2H4)2(PMe3)4] and trans,mer-[Mo(C2H4)2(CO)(PMe3)3]. *Journal of the American Chemical Society*, **1983**, 105, 3014-3022	16.4	68
725	Prodrug ionic liquids: functionalizing neutral active pharmaceutical ingredients to take advantage of the ionic liquid form. *MedChemComm*, **2013**, 4, 559	5	67
724	Hypergolic ionic liquids to mill, suspend, and ignite boron nanoparticles. *Chemical Communications*, **2012**, 48, 4311-3	5.8	67
723	Formation of [(diphenylphosphino)cyclopentadienyl]thallium and its utility in the synthesis of heterobimetallic titanium-manganese complexes: the molecular structure of (.eta.5-cyclopentadienyl)dicarbonyl[(.eta.5-cyclopentadienyl)[.eta.5-(diphenylphosphino)cyclopentadienyl]dichlorotitaniu *Journal of the American Chemical Society*, **1983**, 105, 3882-3886	16.4	67
722	Ionic liquids and fragrances direct isolation of orange essential oil. *Green Chemistry*, **2011**, 13, 1997	10	66
721	Biphasic liquid mixtures of ionic liquids and polyethylene glycols. *Physical Chemistry Chemical Physics*, **2009**, 11, 10916-22	3.6	66
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