Julia L Shamshina

List of Publications by Year in Descending Order

188 papers	28,273 citations	63 h-index	168 g-index
203 ext. papers	30,380 ext. citations	7 avg, IF	7.25 L-index

#	Paper	IF	Citations
188	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	
187	Cryogenic grinding of cotton fiber cellulose: The effect on physicochemical properties.. *Carbohydrate Polymers*, **2022**, 289, 119408	10.3	0
186	Ionic liquids: Implementing Objectives of Sustainability for the Next Generation Chemical Processes and Industrial Applications. *Current Opinion in Green and Sustainable Chemistry*, **2022**, 100625	7.9	
185	Choosing the right strategy: cryogrinding vs. ball milling comparing apples to apples. *Green Chemistry*, **2021**, 23, 9646-9657	10	2
184	Chitin Extracted from Various Biomass Sources: It's Not The Same. *Fluid Phase Equilibria*, **2021**, 113286	2.5	4
183	Production and Surface Modification of Cellulose Bioproducts. *Polymers*, **2021**, 13,	4.5	3
182	Tuning the morphological properties of cellulose aerogels: an investigation of salt-mediated preparation. *Cellulose*, **2021**, 28, 7559-7577	5.5	2
181	Switchable carbamate coagulants to improve recycling ionic liquid from biomass solutions. *Green Chemical Engineering*, **2021**,	3	4
180	3D Printing of Cellulose and Chitin from Ionic Liquids for Drug Delivery: A Mini-Review **2021**, 71-90		
179	Ionic Liquids for Transdermal Drug Delivery: Choline Geranate System as a Case Study **2021**, 35-50		0
178	Cellulose nanocrystals from ionic liquids: a critical review. *Green Chemistry*, **2021**, 23, 6205-6222	10	3
177	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
176	Utilization of Cellulose to Its Full Potential: A Review on Cellulose Dissolution, Regeneration, and Applications.. *Polymers*, **2021**, 13,	4.5	5
175	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
174	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
173	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
172	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

171	Use of Ionic Liquids in Chitin Biorefinery: A Systematic Review. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 11	5.8	15
170	Are Ionic Liquids Enabling Technology? Startup to Scale-Up to Find Out. *Green Chemistry and Sustainable Technology*, **2020**, 69-85	1.1	2
169	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
168	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
167	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
166	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
165	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
164	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
163	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
162	Agricultural uses of chitin polymers. *Environmental Chemistry Letters*, **2020**, 18, 53-60	13.3	20
161	Enhanced Acidity and Activity of Aluminum/Gallium-Based Ionic Liquids Resulting from Dynamic Anionic Speciation. *ACS Catalysis*, **2019**, 9, 9789-9793	13.1	4
160	Chitin in ionic liquids: historical insights into the polymer's dissolution and isolation. A review. *Green Chemistry*, **2019**, 21, 3974-3993	10	68
159	Applications of Chitin in Agriculture. *Sustainable Agriculture Reviews*, **2019**, 125-146	1.3	11
158	Insights into Ionic Liquid/Aromatic Systems from NMR Spectroscopy: How Water Affects Solubility and Intermolecular Interactions. *ChemPlusChem*, **2019**, 84, 872-881	2.8	5
157	Enhanced heavy metal adsorption ability of lignocellulosic hydrogel adsorbents by the structural support effect of lignin. *Cellulose*, **2019**, 26, 4005-4019	5.5	17
156	Advances in Functional Chitin Materials: A Review. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 6444-6457	8.3	107
155	Advances in Processing Chitin as a Promising Biomaterial from Ionic Liquids. *Advances in Biochemical Engineering/Biotechnology*, **2019**, 168, 177-198	1.7	6
154	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	3.9	12

153	8. Recent advances in the electrospinning of biopolymers **2019**, 189-216		1
152	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
151	Ionic Liquids in Pharmaceutical Industry **2018**, 539-577		12
150	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
149	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
148	Exploring the role of ionic liquids to tune the polymorphic outcome of organic compounds. *Chemical Science*, **2018**, 9, 1510-1520	9.4	19
147	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
146	Elucidating the triethylammonium acetate system: Is it molecular or is it ionic?. *Journal of Molecular Liquids*, **2018**, 269, 126-131	6	17
145	Ionic Liquids **2018**, 218-218		2
144	Enzymatic hydrolysis of ionic liquid-extracted chitin. *Carbohydrate Polymers*, **2018**, 199, 228-235	10.3	23
143	Ionic Liquids as Fragrance Precursors: Smart Delivery Systems for Volatile Compounds. *Industrial & Engineering Chemistry Research*, **2018**, 57, 16069-16076	3.9	10
142	Ionic Liquid Platform for Spinning Composite ChitinPoly(lactic acid) Fibers. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 10241-10251	8.3	27
141	Singlet Oxygen Production and Tunable Optical Properties of Deacetylated Chitin-Porphyrin Crosslinked Films. *Biomacromolecules*, **2018**, 19, 3291-3300	6.9	19
140	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
139	Double Salt Ionic Liquids for Lignin Hydrolysis: One Cation for Catalyst and Solvent Anions. *ECS Transactions*, **2018**, 86, 215-229	1	3
138	In Search of Stronger/Cheaper Chitin Nanofibers through Electrospinning of ChitinCellulose Composites Using an Ionic Liquid Platform. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 14713-14722	8.3	27
137	Porphyrinic Ionic Liquid Dyes: Synthesis and Characterization. *ChemistryOpen*, **2018**, 7, 659-663	2.3	2
136	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

135	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
134	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
133	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
132	Facile Preparation of Starch-Based Electroconductive Films with Ionic Liquid. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 5457-5467	8.3	41
131	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
130	Versatility and remarkable hypergolicity of exo-6, exo-9 imidazole-substituted nido-decaborane. *Chemical Communications*, **2017**, 53, 7736-7739	5.8	20
129	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
128	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
127	Dissolution of Starch with Aqueous Ionic Liquid under Ambient Conditions. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 3737-3741	8.3	41
126	"Practical" Electrospinning of Biopolymers in Ionic Liquids. *ChemSusChem*, **2017**, 10, 106-111	8.3	35
125	Porous Chitin Microbeads for More Sustainable Cosmetics*ACS Sustainable Chemistry and Engineering*, **2017**, 5, 11660-11667	8.3	35
124	Translational Research from Academia to Industry: Following the Pathway of George Washington Carver. *ACS Symposium Series*, **2017**, 17-33	0.4	7
123	Ionic Liquids for Sustainable Chemical Processes **2017**, 645-651		1
122	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
121	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
120	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
119	Ionic liquids for consumer products: Dissolution, characterization, and controlled release of fragrance compositions. *Fluid Phase Equilibria*, **2017**, 450, 51-56	2.5	7
118	Acyclovir as an Ionic Liquid Cation or Anion Can Improve Aqueous Solubility. *ACS Omega*, **2017**, 2, 3483-3493	3.9	23

117	Efficient dehydration and recovery of ionic liquid after lignocellulosic processing using pervaporation. *Biotechnology for Biofuels*, **2017**, 10, 154	7.8	54
116	A platform for more sustainable chitin films from an ionic liquid process. *Green Chemistry*, **2017**, 19, 117-126	10	62
115	Ionic Liquids for Sustainable Production of Actinides and Lanthanides **2016**, 295-316		2
114	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
113	Hydrogels based on cellulose and chitin: fabrication, properties, and applications. *Green Chemistry*, **2016**, 18, 53-75	10	406
112	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
111	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
110	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
109	Preparation and comparison of bulk and membrane hydrogels based on Kraft- and ionic-liquid-isolated lignins. *Green Chemistry*, **2016**, 18, 5607-5620	10	40
108	Understanding the structural disorganization of starch in water-ionic liquid solutions. *Physical Chemistry Chemical Physics*, **2015**, 17, 13860-71	3.6	62
107	Electrical conductivity in two mixed-valence liquids. *Physical Chemistry Chemical Physics*, **2015**, 17, 14107-14	3.6	5
106	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
105	Isolation of Uranyl Dicyanamide Complexes from N-Donor Ionic Liquids. *Inorganic Chemistry*, **2015**, 54, 10323-34	5.1	10
104	Sulfasalazine in ionic liquid form with improved solubility and exposure. *MedChemComm*, **2015**, 6, 1837-1841	5	47
103	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
102	Chemistry: Develop ionic liquid drugs. *Nature*, **2015**, 528, 188-9	50.4	138
101	Metsulfuron-methyl-based herbicidal ionic liquids. *Journal of Agricultural and Food Chemistry*, **2015**, 63, 3357-66	5.7	50
100	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

99	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
98	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
97	Pharmaceutically Active Supported Ionic Liquids **2014**, 385-406		1
96	Mixing ionic liquids simple mixtures or double salts. *Green Chemistry*, **2014**, 16, 2051	10	260
95	Simultaneous membrane transport of two active pharmaceutical ingredients by charge assisted hydrogen bond complex formation. *Chemical Science*, **2014**, 5, 3449	9.4	85
94	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
93	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
92	Facile pulping of lignocellulosic biomass using choline acetate. *Bioresource Technology*, **2014**, 164, 394-401	11	48
91	Characteristics of starch-based films plasticised by glycerol and by the ionic liquid 1-ethyl-3-methylimidazolium acetate: a comparative study. *Carbohydrate Polymers*, **2014**, 111, 841-8	10.3	53
90	Oxygen Enhances Polyoxometalate-based Catalytic Dissolution and Delignification of Woody Biomass in Ionic Liquids. *ACS Sustainable Chemistry and Engineering*, **2014**, 2, 2859-2865	8.3	22
89	Glyphosate-Based Herbicidal Ionic Liquids with Increased Efficacy. *ACS Sustainable Chemistry and Engineering*, **2014**, 2, 2845-2851	8.3	48
88	Dissolution of Biomass Using Ionic Liquids. *Structure and Bonding*, **2014**, 79-105	0.9	17
87	Ionic liquids in drug delivery. *Expert Opinion on Drug Delivery*, **2013**, 10, 1367-81	8	142
86	Electrospinning of chitin nanofibers directly from an ionic liquid extract of shrimp shells. *Green Chemistry*, **2013**, 15, 601	10	127
85	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
84	Effect of the ionic liquid 1-ethyl-3-methylimidazolium acetate on the phase transition of starch: dissolution or gelatinization?. *Carbohydrate Polymers*, **2013**, 94, 520-30	10.3	64
83	Prodrug ionic liquids: functionalizing neutral active pharmaceutical ingredients to take advantage of the ionic liquid form. *MedChemComm*, **2013**, 4, 559	5	67
82	Azolium azolates from reactions of neutral azoles with 1,3-dimethyl-imidazolium-2-carboxylate, 1,2,3-trimethyl-imidazolium hydrogen carbonate, and N,N-dimethyl-pyrrolidinium hydrogen carbonate. *New Journal of Chemistry*, **2013**, 37, 1461	3.6	11

81	Drug specific, tuning of an ionic liquid's hydrophilic–lipophilic balance to improve water solubility of poorly soluble active pharmaceutical ingredients. *New Journal of Chemistry*, **2013**, 37, 2196	3.6	85
80	Ionic liquid forms of the herbicide dicamba with increased efficacy and reduced volatility. *Green Chemistry*, **2013**, 15, 2110	10	97
79	Hydrophobic vs. hydrophilic ionic liquid separations strategies in support of continuous pharmaceutical manufacturing. *RSC Advances*, **2013**, 3, 10019	3.7	23
78	1-Ethyl-3-methylimidazolium hexafluorophosphate: from ionic liquid prototype to antitype. *Chemical Communications*, **2013**, 49, 6011-4	5.8	21
77	Procainium Acetate Versus Procainium Acetate Dihydrate: Irreversible Crystallization of a Room-Temperature Active Pharmaceutical-Ingredient Ionic Liquid upon Hydration. *Crystal Growth and Design*, **2013**, 13, 3290-3293	3.5	12
76	A "green" industrial revolution: Using chitin towards transformative technologies. *Pure and Applied Chemistry*, **2013**, 85, 1693-1701	2.1	18
75	Coagulation of Chitin and Cellulose from 1-Ethyl-3-methylimidazolium Acetate Ionic-Liquid Solutions Using Carbon Dioxide. *Angewandte Chemie*, **2013**, 125, 12576-12579	3.6	16
74	Coagulation of chitin and cellulose from 1-ethyl-3-methylimidazolium acetate ionic-liquid solutions using carbon dioxide. *Angewandte Chemie - International Edition*, **2013**, 52, 12350-3	16.4	50
73	Advanced Biopolymer Composite Materials from Ionic Liquid Solutions. *ACS Symposium Series*, **2012** , 167-187	0.4	3
72	The Role of Ionic Liquids in the Pharmaceutical Manufacturing Processes **2012**, 469-496		
71	Highly selective extraction of the uranyl ion with hydrophobic amidoxime-functionalized ionic liquids via κ2 coordination. *RSC Advances*, **2012**, 2, 8526	3.7	92
70	Tuning azolium azolate ionic liquids to promote surface interactions with titanium nanoparticles leading to increased passivation and colloidal stability. *Physical Chemistry Chemical Physics*, **2012**, 14, 13194-8	3.6	7
69	EPR study of the astaxanthin n-octanoic acid monoester and diester radicals on silica-alumina. *Journal of Physical Chemistry B*, **2012**, 116, 13200-10	3.4	13
68	Pharmaceutically active ionic liquids with solids handling, enhanced thermal stability, and fast release. *Chemical Communications*, **2012**, 48, 5422-4	5.8	86
67	Chlorine-free alternatives to the synthesis of ionic liquids for biomass processing. *Pure and Applied Chemistry*, **2012**, 84, 745-754	2.1	21
66	Synthesis, limitations, and thermal properties of energetically-substituted, protonated imidazolium picrate and nitrate salts and further comparison with their methylated analogs. *New Journal of Chemistry*, **2012**, 36, 702-722	3.6	35
65	Reactivity of N-cyanoalkyl-substituted imidazolium halide salts by simple elution through an azide anion exchange resin. *Science China Chemistry*, **2012**, 55, 1683-1687	7.9	2
64	Zinc-assisted synthesis of imidazolium-tetrazolate bi-heterocyclic zwitterions with variable alkyl bridge length. *Science China Chemistry*, **2012**, 55, 1620-1626	7.9	1

63	Anhydrous Caffeine Hydrochloride and Its Hydration. *Crystal Growth and Design*, **2012**, 12, 4658-4662	3.5	9
62	Polymorphs, Salts, and Cocrystals: What□s in a Name?. *Crystal Growth and Design*, **2012**, 12, 2147-2152	3.5	595
61	Stereoselective synthesis of cis- or trans-2,4-disubstituted butyrolactones from Wynberg lactone. *Tetrahedron*, **2012**, 68, 5396-5405	2.4	11
60	Ionic liquid processing of cellulose. *Chemical Society Reviews*, **2012**, 41, 1519-37	58.5	988
59	Rapid dissolution of lignocellulosic biomass in ionic liquids using temperatures above the glass transition of lignin. *Green Chemistry*, **2011**, 13, 2038	10	177
58	Liquid forms of pharmaceutical co-crystals: exploring the boundaries of salt formation. *Chemical Communications*, **2011**, 47, 2267-9	5.8	103
57	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
56	Use of polyoxometalate catalysts in ionic liquids to enhance the dissolution and delignification of woody biomass. *ChemSusChem*, **2011**, 4, 65-73	8.3	63
55	Demonstration of Chemisorption of Carbon Dioxide in 1,3-Dialkylimidazolium Acetate Ionic Liquids. *Angewandte Chemie*, **2011**, 123, 12230-12232	3.6	68
54	Demonstration of chemisorption of carbon dioxide in 1,3-dialkylimidazolium acetate ionic liquids. *Angewandte Chemie - International Edition*, **2011**, 50, 12024-6	16.4	317
53	Ionic liquids and fragrances □direct isolation of orange essential oil. *Green Chemistry*, **2011**, 13, 1997	10	66
52	Composite fibers spun directly from solutions of raw lignocellulosic biomass dissolved in ionic liquids. *Green Chemistry*, **2011**, 13, 1158	10	54
51	Synthesis of N-cyanoalkyl-functionalized imidazolium nitrate and dicyanamide ionic liquids with a comparison of their thermal properties for energetic applications. *New Journal of Chemistry*, **2011**, 35, 1701	3.6	24
50	Toxic on purpose: ionic liquid fungicides as combinatorial crop protecting agents. *Green Chemistry*, **2011**, 13, 2344	10	40
49	Peculiar Behavior of Azolium Azolate Energetic Ionic Liquids. *Journal of Physical Chemistry Letters*, **2011**, 2, 2571-2576	6.4	6
48	A general design platform for ionic liquid ions based on bridged multi-heterocycles with flexible symmetry and charge. *Chemical Communications*, **2010**, 46, 3544-6	5.8	13
47	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
46	Catalytic ignition of ionic liquids for propellant applications. *Chemical Communications*, **2010**, 46, 8965-7	5.8	39

45	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
44	New hydrogen carbonate precursors for efficient and byproduct-free syntheses of ionic liquids based on 1,2,3-trimethylimidazolium and N,N-dimethylpyrrolidinium cores. *Green Chemistry*, **2010**, 12, 491	10	22
43	Confused ionic liquid ions--a "liquification" and dosage strategy for pharmaceutically active salts. *Chemical Communications*, **2010**, 46, 1215-7	5.8	104
42	Crystalline vs. ionic liquid salt forms of active pharmaceutical ingredients: a position paper. *Pharmaceutical Research*, **2010**, 27, 521-6	4.5	259
41	Crystallization of Uranyl Salts from Dialkylimidazolium Ionic Liquids or Their Precursors. *European Journal of Inorganic Chemistry*, **2010**, 2010, 2760-2767	2.3	23
40	Ionic liquids based on azolate anions. *Chemistry - A European Journal*, **2010**, 16, 1572-84	4.8	38
39	Complete dissolution and partial delignification of wood in the ionic liquid 1-ethyl-3-methylimidazolium acetate. *Green Chemistry*, **2009**, 11, 646	10	817
38	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
37	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
36	Ionic liquid-based preparation of cellulose-dendrimer films as solid supports for enzyme immobilization. *Biomacromolecules*, **2008**, 9, 381-7	6.9	82
35	Magnetite-embedded cellulose fibers prepared from ionic liquid. *Journal of Materials Chemistry*, **2008**, 18, 283-290		116
34	Direct, atom efficient, and halide-free syntheses of azolium azolate energetic ionic liquids and their eutectic mixtures, and method for determining eutectic composition. *Chemistry - A European Journal*, **2008**, 14, 11314-9	4.8	29
33	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
32	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
31	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
30	The third evolution of ionic liquids: active pharmaceutical ingredients. *New Journal of Chemistry*, **2007**, 31, 1429	3.6	665
29	An intermediate for the clean synthesis of ionic liquids: isolation and crystal structure of 1,3-dimethylimidazolium hydrogen carbonate monohydrate. *Chemistry - A European Journal*, **2007**, 13, 5207-12	4.8	57
28	Choline-derivative-based ionic liquids. *Chemistry - A European Journal*, **2007**, 13, 6817-27	4.8	134

27	Convergent synthesis of potent COX-2 inhibitor inotilone. *Tetrahedron Letters*, **2007**, 48, 3767-3769	2	29
26	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
25	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
24	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
23	Investigation of aqueous biphasic systems formed from solutions of chaotropic salts with kosmotropic salts (salt�alt ABS). *Green Chemistry*, **2007**, 9, 177-183	10	274
22	In search of ionic liquids incorporating azolate anions. *Chemistry - A European Journal*, **2006**, 12, 4630-41	4.8	70
21	Combustible ionic liquids by design: is laboratory safety another ionic liquid myth?. *Chemical Communications*, **2006**, 2554-6	5.8	260
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