

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	Dissolution of Cellulose with Ionic Liquids. <i>Journal of the American Chemical Society</i> , 2002, 124, 4974-4975.	13.7	4,294
2	CHEMISTRY: Ionic Liquids--Solvents of the Future?. <i>Science</i> , 2003, 302, 792-793.	12.6	3,722
3	Characterization and comparison of hydrophilic and hydrophobic room temperature ionic liquids incorporating the imidazolium cation. <i>Green Chemistry</i> , 2001, 3, 156-164.	9.0	3,466
4	Room temperature ionic liquids as novel media for "clean" liquid-liquid extraction. <i>Chemical Communications</i> , 1998, , 1765-1766.	4.1	1,975
5	Ionic liquid processing of cellulose. <i>Chemical Society Reviews</i> , 2012, 41, 1519.	38.1	1,165
6	Controlling the Aqueous Miscibility of Ionic Liquids: Aqueous Biphasic Systems of Water-Miscible Ionic Liquids and Water-Structuring Salts for Recycle, Metathesis, and Separations. <i>Journal of the American Chemical Society</i> , 2003, 125, 6632-6633.	13.7	949
7	Complete dissolution and partial delignification of wood in the ionic liquid 1-ethyl-3-methylimidazolium acetate. <i>Green Chemistry</i> , 2009, 11, 646.	9.0	906
8	Ionic liquids are not always green: hydrolysis of 1-butyl-3-methylimidazolium hexafluorophosphate. <i>Green Chemistry</i> , 2003, 5, 361.	9.0	902
9	Polyethylene glycol and solutions of polyethylene glycol as green reaction media. <i>Green Chemistry</i> , 2005, 7, 64.	9.0	881
10	Task-specific ionic liquids for the extraction of metal ions from aqueous solutions. <i>Chemical Communications</i> , 2001, , 135-136.	4.1	828
11	Supramolecular Isomerism in Coordination Polymers: Conformational Freedom of Ligands in [Co(NO ₃) ₂ (1,2-bis(4-pyridyl)ethane) _{1.5}] _n . <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 972-973.	4.4	793
12	Polymorphs, Salts, and Cocrystals: What's in a Name?. <i>Crystal Growth and Design</i> , 2012, 12, 2147-2152.	3.0	767
13	The third evolution of ionic liquids: active pharmaceutical ingredients. <i>New Journal of Chemistry</i> , 2007, 31, 1429.	2.8	766
14	Can ionic liquids dissolve wood? Processing and analysis of lignocellulosic materials with 1-n-butyl-3-methylimidazolium chloride. <i>Green Chemistry</i> , 2007, 9, 63-69.	9.0	752
15	Mechanism of cellulose dissolution in the ionic liquid 1-n-butyl-3-methylimidazolium chloride: a ¹³ C and ^{35/37} Cl NMR relaxation study on model systems. <i>Chemical Communications</i> , 2006, , 1271.	4.1	613
16	Traditional Extractants in Nontraditional Solvents: Groups 1 and 2 Extraction by Crown Ethers in Room-Temperature Ionic Liquids. <i>Industrial & Engineering Chemistry Research</i> , 2000, 39, 3596-3604.	3.7	612
17	Hydrogels based on cellulose and chitin: fabrication, properties, and applications. <i>Green Chemistry</i> , 2016, 18, 53-75.	9.0	522
18	Efficient, halide free synthesis of new, low cost ionic liquids: 1,3-dialkylimidazolium salts containing methyl- and ethyl-sulfate anions. <i>Green Chemistry</i> , 2002, 4, 407-413.	9.0	508

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19	Task-Specific Ionic Liquids Incorporating Novel Cations for the Coordination and Extraction of Hg ²⁺ and Cd ²⁺ : Synthesis, Characterization, and Extraction Studies. <i>Environmental Science & Technology</i> , 2002, 36, 2523-2529.	10.0	460
20	The Second Evolution of Ionic Liquids: From Solvents and Separations to Advanced Materials—Energetic Examples from the Ionic Liquid Cookbook. <i>Accounts of Chemical Research</i> , 2007, 40, 1182-1192.	15.6	454
21	Ionic liquids for energy, materials, and medicine. <i>Chemical Communications</i> , 2014, 50, 9228-9250.	4.1	447
22	Where are ionic liquid strategies most suited in the pursuit of chemicals and energy from lignocellulosic biomass?. <i>Chemical Communications</i> , 2011, 47, 1405-1421.	4.1	391
23	Room-temperature ionic liquids: new solvents for f -element separations and associated solution chemistry. <i>Journal of Solid State Chemistry</i> , 2003, 171, 109-113.	2.9	380
24	Liquid clathrate formation in ionic liquid—aromatic mixtures Electronic supplementary information (ESI) available: crystallographic information, CCDC 2005888—200590. See http://www.rsc.org/suppdata/cc/b2/b212726a/ for crystallographic files in CIF or other electronic format.. <i>Chemical Communications</i> , 2003, , 476-477.	4.1	370
25	Ionic liquid salt-induced inactivation and unfolding of cellulase from <i>Trichoderma reesei</i> . <i>Green Chemistry</i> , 2003, 5, 443.	9.0	368
26	Crystal polymorphism in 1-butyl-3-methylimidazolium halides: supporting ionic liquid formation by inhibition of crystallization Electronic supplementary information (ESI) available: packing diagrams for I and II; table of closest contacts for I, I-Br and II. See http://www.rsc.org/suppdata/cc/b3/b304543a/ . <i>Chemical Communications</i> , 2003, , 1636.	4.1	364
27	Dissolution or extraction of crustacean shells using ionic liquids to obtain high molecular weight purified chitin and direct production of chitin films and fibers. <i>Green Chemistry</i> , 2010, 12, 968.	9.0	364
28	Demonstration of Chemisorption of Carbon Dioxide in 1,3-Dialkylimidazolium Acetate Ionic Liquids. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12024-12026.	13.8	349
29	Production of Bioactive Cellulose Films Reconstituted from Ionic Liquids. <i>Biomacromolecules</i> , 2004, 5, 1379-1384.	5.4	342
30	LIQUID/LIQUID EXTRACTION OF METAL IONS IN ROOM TEMPERATURE IONIC LIQUIDS. <i>Separation Science and Technology</i> , 2001, 36, 785-804.	2.5	338
31	Ionic Liquids Then and Now: From Solvents to Materials to Active Pharmaceutical Ingredients. <i>Bulletin of the Chemical Society of Japan</i> , 2007, 80, 2262-2269.	3.2	315
32	Crystalline vs. Ionic Liquid Salt Forms of Active Pharmaceutical Ingredients: A Position Paper. <i>Pharmaceutical Research</i> , 2010, 27, 521-526.	3.5	307
33	Combustible ionic liquids by design: is laboratory safety another ionic liquid myth?. <i>Chemical Communications</i> , 2006, , 2554.	4.1	301
34	Investigation of aqueous biphasic systems formed from solutions of chaotropic salts with kosmotropic salts (salt—salt ABS). <i>Green Chemistry</i> , 2007, 9, 177-183.	9.0	301
35	High-resolution ¹³ C NMR studies of cellulose and cellulose oligomers in ionic liquid solutions. <i>Chemical Communications</i> , 2005, , 1557.	4.1	298
36	Review: Oxidation of Lignin Using Ionic Liquids—An Innovative Strategy To Produce Renewable Chemicals. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 322-339.	6.7	290

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37	Mixing ionic liquids "simple mixtures" or "double salts". <i>Green Chemistry</i> , 2014, 16, 2051.	9.0	289
38	Chemical Speciation of the Uranyl Ion under Highly Alkaline Conditions. Synthesis, Structures, and Oxo Ligand Exchange Dynamics. <i>Inorganic Chemistry</i> , 1999, 38, 1456-1466.	4.0	280
39	pH-Dependent partitioning in room temperature ionic liquids. <i>Green Chemistry</i> , 2000, 2, 1-4.	9.0	272
40	Ionic Liquids. <i>Accounts of Chemical Research</i> , 2007, 40, 1077-1078.	15.6	259
41	Extraction of Cesium Ions from Aqueous Solutions Using Calix[4]arene-bis(tert-octylbenzo-crown-6) in Ionic Liquids. <i>Analytical Chemistry</i> , 2004, 76, 3078-3083.	6.5	256
42	Crystal structures of imidazolium bis(trifluoromethanesulfonyl)imide "ionic liquid"™ salts: the first organic salt with a cis-TFSI anion conformation. <i>Dalton Transactions</i> , 2004, , 2267-2271.	3.3	246
43	Design Strategies for Solid-State Supramolecular Arrays Containing Both Mixed-Metalated and Freebase Porphyrins. <i>Journal of the American Chemical Society</i> , 1999, 121, 1137-1144.	13.7	245
44	1,3-Dimethylimidazolium-2-carboxylate: the unexpected synthesis of an ionic liquid precursor and carbene-CO ₂ adduct. Electronic supplementary information (ESI) available: experimental data for 1,3-dimethylimidazolium-2-carboxylate. Supplemental crystal structure data. ORTEP, hydrogen bonding and packing diagrams. See http://www.rsc.org/suppdata/cc/b2/b211519k/ . <i>Chemical Communications</i> , 2003, , 28-29.	4.1	241
45	Application of ionic liquids as plasticizers for poly(methyl methacrylate). <i>Chemical Communications</i> , 2002, , 1370-1371.	4.1	233
46	Structure and reactivity of sterically hindered lithium amides and their diethyl etherates: crystal and molecular structures of [Li{N(SiMe ₃) ₂ }(OEt) ₂] ₂ and tetrakis(2,2,6,6-tetramethylpiperidinato)lithium). <i>Journal of the American Chemical Society</i> , 1983, 105, 302-304.	13.7	231
47	The coordination chemistry of actinides in ionic liquids: A review of experiment and simulation. <i>Coordination Chemistry Reviews</i> , 2006, 250, 755-764.	18.8	215
48	Reflections on ionic liquids. <i>Nature</i> , 2007, 447, 917-918.	27.8	207
49	Rapid dissolution of lignocellulosic biomass in ionic liquids using temperatures above the glass transition of lignin. <i>Green Chemistry</i> , 2011, 13, 2038.	9.0	203
50	Uranyl Coordination Environment in Hydrophobic Ionic Liquids: An in Situ Investigation. <i>Inorganic Chemistry</i> , 2003, 42, 2197-2199.	4.0	200
51	Identical extraction behavior and coordination of trivalent or hexavalent f-element cations using ionic liquid and molecular solvents. <i>Dalton Transactions</i> , 2005, , 1966.	3.3	200
52	Correlation of the Melting Points of Potential Ionic Liquids (Imidazolium Bromides and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (Be Computer Sciences, 2002, 42, 225-231.	2.8	196
53	Some Novel Liquid Partitioning Systems: Water~Ionic Liquids and Aqueous Biphasic Systems. <i>Industrial & Engineering Chemistry Research</i> , 2003, 42, 413-418.	3.7	186
54	Ionic liquids in drug delivery. <i>Expert Opinion on Drug Delivery</i> , 2013, 10, 1367-1381.	5.0	186

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55	Solvation of Carbohydrates in <i>N,N</i> -Dialkylimidazolium Ionic Liquids: A Multinuclear NMR Spectroscopy Study. <i>Journal of Physical Chemistry B</i> , 2008, 112, 11071-11078.	2.6	185
56	Advances in Functional Chitin Materials: A Review. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 6444-6457.	6.7	185
57	In search of pure liquid salt forms of aspirin: ionic liquid approaches with acetylsalicylic acid and salicylic acid. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 2011.	2.8	183
58	Using <i>Caenorhabditis elegans</i> to probe toxicity of 1-alkyl-3-methylimidazolium chloride based ionic liquids. <i>Chemical Communications</i> , 2004, , 668.	4.1	182
59	Reaction of elemental chalcogens with imidazolium acetates to yield imidazole-2-chalcogenones: direct evidence for ionic liquids as proto-carbenes. <i>Chemical Communications</i> , 2011, 47, 3222.	4.1	176
60	Chemistry: Develop ionic liquid drugs. <i>Nature</i> , 2015, 528, 188-189.	27.8	176
61	Ionic liquids with dual biological function: sweet and anti-microbial, hydrophobic quaternary ammonium-based salts. <i>New Journal of Chemistry</i> , 2009, 33, 26-33.	2.8	173
62	Metal ion separations in polyethylene glycol-based aqueous biphasic systems: correlation of partitioning behavior with available thermodynamic hydration data. <i>Biomedical Applications</i> , 1996, 680, 221-229.	1.7	172
63	QSPR Correlation of the Melting Point for Pyridinium Bromides, Potential Ionic Liquids. <i>Journal of Chemical Information and Computer Sciences</i> , 2002, 42, 71-74.	2.8	170
64	Toward the Design of Porous Organic Solids: Modular Honeycomb Grids Sustained by Anions of Trimesic Acid. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 2213-2215.	4.4	168
65	Solute Partitioning in Aqueous Biphasic Systems Composed of Polyethylene Glycol and Salt: The Partitioning of Small Neutral Organic Species. <i>Industrial & Engineering Chemistry Research</i> , 2002, 41, 1892-1904.	3.7	167
66	Conventional free radical polymerization in room temperature ionic liquids: a green approach to commodity polymers with practical advantages. <i>Chemical Communications</i> , 2002, , 1368-1369.	4.1	167
67	Physiological properties of a <i>Pseudomonas</i> strain which grows with p-xylene in a two-phase (organic-aqueous) medium. <i>Applied and Environmental Microbiology</i> , 1992, 58, 2723-2729.	3.1	166
68	Approaches to crystallization from ionic liquids: complex solvents – complex results, or, a strategy for controlled formation of new supramolecular architectures?. <i>Chemical Communications</i> , 2006, , 4767-4779.	4.1	165
69	Bivalent germanium, tin, and lead 2,6-di-tert-butylphenoxides and the crystal and molecular structures of $M(OC_6H_2Me_4-2,6)_2$ ($M = Ge$ or Sn). <i>Journal of the American Chemical Society</i> , 1980, 102, 2088-2089.	13.7	163
70	On the solubilization of water with ethanol in hydrophobic hexafluorophosphate ionic liquids. <i>Green Chemistry</i> , 2002, 4, 81-87.	9.0	159
71	Insight into the Interactions That Control the Phase Behaviour of New Aqueous Biphasic Systems Composed of Polyethylene Glycol Polymers and Ionic Liquids. <i>Chemistry - A European Journal</i> , 2012, 18, 1831-1839.	3.3	157
72	Ionic Liquid-Reconstituted Cellulose Composites as Solid Support Matrices for Biocatalyst Immobilization. <i>Biomacromolecules</i> , 2005, 6, 2497-2502.	5.4	152

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73	Choline-Derivative-Based Ionic Liquids. <i>Chemistry - A European Journal</i> , 2007, 13, 6817-6827.	3.3	151
74	Phase Diagram Data for Several PEG + Salt Aqueous Biphasic Systems at 25 °C. <i>Journal of Chemical & Engineering Data</i> , 2003, 48, 1230-1236.	1.9	147
75	Long alkyl chain quaternary ammonium-based ionic liquids and potential applications. <i>Green Chemistry</i> , 2006, 8, 798.	9.0	146
76	Electrospinning of chitin nanofibers directly from an ionic liquid extract of shrimp shells. <i>Green Chemistry</i> , 2013, 15, 601.	9.0	145
77	Cloning of a mineral phosphate-solubilizing gene from <i>Pseudomonas cepacia</i> . <i>Applied and Environmental Microbiology</i> , 1995, 61, 972-978.	3.1	144
78	Spectroscopic, Thermal, and Magnetic Properties of Metal/TCNQ Network Polymers with Extensive Supramolecular Interactions between Layers. <i>Chemistry of Materials</i> , 1999, 11, 736-746.	6.7	141
79	Prediction of the Formation and Stabilities of Energetic Salts and Ionic Liquids Based on ab Initio Electronic Structure Calculations. <i>Journal of Physical Chemistry B</i> , 2005, 109, 23196-23208.	2.6	141
80	Synthesis and structural elucidation of novel uranyl-crown ether compounds isolated from nitric, hydrochloric, sulfuric, and acetic acids. <i>Inorganic Chemistry</i> , 1991, 30, 2671-2679.	4.0	140
81	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. <i>Journal of Physical Chemistry B</i> , 2007, 111, 4788-4800.	2.6	139
82	Hydrophobic ionic liquids incorporating N-alkylisoquinolinium cations and their utilization in liquid-liquid separations. <i>Chemical Communications</i> , 2001, , 2484-2485.	4.1	137
83	Aqueous Polymeric Solutions as Environmentally Benign Liquid/Liquid Extraction Media. <i>Industrial & Engineering Chemistry Research</i> , 1999, 38, 2523-2539.	3.7	134
84	Mercury(II) partitioning from aqueous solutions with a new, hydrophobic ethylene-glycol functionalized bis-imidazolium ionic liquid. This work was presented at the Green Solvents for Catalysis Meeting held in Bruchsal, Germany, 13-16th October 2002. <i>Green Chemistry</i> , 2003, 5, 129-135.	9.0	130
85	Complexation chemistry of bismuth(III) halides with crown ethers and polyethylene glycols. Structural manifestations of a stereochemically active lone pair. <i>Journal of the American Chemical Society</i> , 1992, 114, 2967-2977.	13.7	128
86	Carbon Monoxide and Isocyanide Complexes of Trivalent Uranium Metallocenes. <i>Chemistry - A European Journal</i> , 1999, 5, 3000-3009.	3.3	128
87	The acute effect of alcohol on decision making in social drinkers. <i>Psychopharmacology</i> , 2005, 182, 160-169.	3.1	124
88	Magnetite-embedded cellulose fibers prepared from ionic liquid. <i>Journal of Materials Chemistry</i> , 2008, 18, 283-290.	6.7	124
89	The crystal structure of N-lithiohexamethyldisilazane, [LiN(SiMe ₃) ₂] ₃ . <i>Journal of Organometallic Chemistry</i> , 1978, 157, 229-237.	1.8	122
90	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. <i>Green Chemistry</i> , 2014, 16, 1828-1836.	9.0	121

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91	Liquid forms of pharmaceutical co-crystals: exploring the boundaries of salt formation. <i>Chemical Communications</i> , 2011, 47, 2267-2269.	4.1	120
92	Mono(pentamethylcyclopentadienyl) complexes of cerium(III). Synthesis, molecular structure, thermal stability, and reactivity of (C ₅ Me ₅)CeX ₂ (X = 2,6-di-tert-butylphenoxo, CH(SiMe ₃) ₂ , and N(SiMe ₃) ₂) complexes. <i>Organometallics</i> , 1989, 8, 2637-2646.	2.3	118
93	Network Diversity through Decoration of Trigonal-Prismatic Nodes: Two-Step Crystal Engineering of Cationic Metal-Organic Materials. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11421-11424.	13.8	118
94	Confused ionic liquid ions—a deliquification—and dosage strategy for pharmaceutically active salts. <i>Chemical Communications</i> , 2010, 46, 1215.	4.1	116
95	New ionic liquids containing an appended hydroxyl functionality from the atom-efficient, one-pot reaction of 1-methylimidazole and acid with propylene oxide. <i>Green Chemistry</i> , 2003, 5, 731.	9.0	115
96	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. <i>Crystal Growth and Design</i> , 2013, 13, 965-975.	3.0	115
97	“Molecular Chinese blinds”™: self-organization of tetranitrato lanthanide complexes into open, chiral hydrogen bonded networks. <i>Chemical Communications</i> , 1999, , 83-84.	4.1	113
98	Synthesis and X-ray Structure Determination of Highly Active Pd(II), Pd(I), and Pd(0) Complexes of Di(<i>tert</i> -butyl)neopentylphosphine (DTBNpP) in the Arylation of Amines and Ketones. <i>Journal of Organic Chemistry</i> , 2010, 75, 6477-6488.	3.2	113
99	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(SiMe ₃) ₂ } ₃ Cl](thf = tetrahydrofuran). <i>Journal of the Chemical Society Chemical Communications</i> , 1978, , 140.	2.0	112
100	Ionic liquid forms of the herbicide dicamba with increased efficacy and reduced volatility. <i>Green Chemistry</i> , 2013, 15, 2110.	9.0	112
101	Unprecedented Two-Dimensional Polymers of Mn(II) with TCNQ—(TCNQ =) Tj ETQq1 1 0.784314 rgBT /Overlock, 10 Tf 50 342 Td (2,7	13.7	111
102	Application of the Sterically Demanding Hydrotris(3- <i>tert</i> -butyl-5-methylpyrazolyl)borate Ligand to Ln(II) Chemistry: Synthesis of a New Class of Mixed-Ligand Yb(II) Complexes. <i>Journal of the American Chemical Society</i> , 1994, 116, 8833-8834.	13.7	109
103	Chitin—calcium alginate composite fibers for wound care dressings spun from ionic liquid solution. <i>Journal of Materials Chemistry B</i> , 2014, 2, 3924-3936.	5.8	109
104	Nanodarts, nanoblades, and nanospikes: Mechano-bactericidal nanostructures and where to find them. <i>Advances in Colloid and Interface Science</i> , 2018, 252, 55-68.	14.7	109
105	Gelation of Ionic Liquids Using a Cross-Linked Poly(Ethylene Glycol) Gel Matrix. <i>Chemistry of Materials</i> , 2004, 16, 3091-3097.	6.7	108
106	Drug specific, tuning of an ionic liquid's hydrophilic—lipophilic balance to improve water solubility of poorly soluble active pharmaceutical ingredients. <i>New Journal of Chemistry</i> , 2013, 37, 2196.	2.8	108
107	Reversible carbon-carbon bond formation in organolanthanide systems. Preparation and properties of lanthanide acetylides [Cp* ₂ LnC.tpbond.CR] _n and their rearrangement products [Cp* ₂ Ln] ₂ (.mu.-eta.2.:eta.2-RC ₄ R) (Ln = La, Ce; R = alkyl). <i>Organometallics</i> , 1993, 12, 2609-2617.	2.3	107
108	Crystal structures and solution electronic absorption and MCD spectra for perchlorate and halide salts of binuclear gold(I) complexes containing bridging Me ₂ PCH ₂ PMe ₂ (dmpm) or Me ₂ PCH ₂ CH ₂ PMe ₂ (dmpe) ligands. <i>Inorganic Chemistry</i> , 1989, 28, 1028-1037.	4.0	106

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109	Simultaneous membrane transport of two active pharmaceutical ingredients by charge assisted hydrogen bond complex formation. <i>Chemical Science</i> , 2014, 5, 3449.	7.4	106
110	Physicochemical properties of maize cob cellulose powders reconstituted from ionic liquid solution. <i>Cellulose</i> , 2012, 19, 425-433.	4.9	105
111	The formation and molecular structures of $(\eta^5\text{-C}_5\text{H}_5)_3\text{Y} \cdot \text{OC}_4\text{H}_8$ and $(\eta^5\text{-C}_5\text{H}_5)_3\text{La} \cdot \text{OC}_4\text{H}_8$. <i>Journal of Organometallic Chemistry</i> , 1981, 216, 383-392.	1.8	104
112	Pharmaceutically active ionic liquids with solids handling, enhanced thermal stability, and fast release. <i>Chemical Communications</i> , 2012, 48, 5422.	4.1	104
113	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. <i>Industrial & Engineering Chemistry Research</i> , 2002, 41, 2591-2601.	3.7	103
114	Highly selective extraction of the uranyl ion with hydrophobic amidoxime-functionalized ionic liquids via η^2 coordination. <i>RSC Advances</i> , 2012, 2, 8526.	3.6	102
115	Structural clues to $\text{UO}_2^{2+}/\text{VO}_2^{+}$ competition in seawater extraction using amidoxime-based extractants. <i>Chemical Communications</i> , 2014, 50, 12504-12507.	4.1	102
116	Comparison of Hydrogels Prepared with Ionic-Liquid-Isolated vs Commercial Chitin and Cellulose. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 471-480.	6.7	100
117	1-Butyl-3-methylimidazolium 3,5-dinitro-1,2,4-triazolate: a novel ionic liquid containing a rigid, planar energetic anion. <i>Chemical Communications</i> , 2005, , 868.	4.1	99
118	Synthesis and Characterization of Water-Soluble Silver and Palladium Imidazol-2-ylidene Complexes with Noncoordinating Anionic Substituents. <i>Organometallics</i> , 2006, 25, 5151-5158.	2.3	99
119	Decomposition of high-oxygen content organoaluminum compounds. The formation and structure of the $[\text{Al}_7\text{O}_6\text{Me}_{16}]^-$ anion. <i>Organometallics</i> , 1983, 2, 985-989.	2.3	98
120	Metal Ion Separations in Polyethylene Glycol-Based Aqueous Biphasic Systems. <i>Separation Science and Technology</i> , 1993, 28, 1091-1126.	2.5	98
121	Solid-State Analysis of Low-Melting 1,3-Dialkylimidazolium Hexafluorophosphate Salts (Ionic Liquids) by Combined X-ray Crystallographic and Computational Analyses. <i>Crystal Growth and Design</i> , 2007, 7, 1106-1114.	3.0	97
122	Copyrine alkaloids: synthesis, spectroscopic characterization, and antimycotic/antimycobacterial activity of A- and B-ring-functionalized sampangines. <i>Journal of Medicinal Chemistry</i> , 1992, 35, 4069-4077.	6.4	96
123	Transition Metal Complexes of p-Sulfonatocalix[5]arene. <i>Inorganic Chemistry</i> , 1996, 35, 2602-2610.	4.0	93
124	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. <i>Green Chemistry</i> , 2007, 9, 90-98.	9.0	93
125	Ionic Liquid-Based Preparation of Cellulose \sim Dendrimer Films as Solid Supports for Enzyme Immobilization. <i>Biomacromolecules</i> , 2008, 9, 381-387.	5.4	92
126	Radiation from magnetized accretion disks in active galactic nuclei. <i>Astrophysical Journal</i> , 1993, 403, 94.	4.5	91

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127	New syntheses and molecular structures of the decamethylmetallocene dicarbonyls ($\eta^5\text{-C}_5\text{Me}_5$) ₂ M(CO) ₂ (M = titanium, zirconium, hafnium). <i>Journal of the American Chemical Society</i> , 1981, 103, 1265-1267.	13.7	90
128	Partitioning of small organic molecules in aqueous biphasic systems. <i>Biomedical Applications</i> , 1998, 711, 255-263.	1.7	90
129	Molecular interactions in aqueous biphasic systems composed of polyethylene glycol and crystalline vs. liquid cholinium-based salts. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 5723.	2.8	90
130	Protein Crystallization Using Room Temperature Ionic Liquids. <i>Crystal Growth and Design</i> , 2007, 7, 787-793.	3.0	89
131	Alcoholysis of bismuth(III) nitrate pentahydrate by polyethylene glycols. Comparison with bismuth(III) nitrate crown ether complexation. <i>Journal of the American Chemical Society</i> , 1992, 114, 2960-2967.	13.7	88
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