

Richard P Swatloski

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36
papers

13,552
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39
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39
ext. papers

14,159
ext. citations

6
avg, IF

5.94
L-index

#	Paper	IF	Citations
36	Dissolution of cellulose [correction of cellose] with ionic liquids. <i>Journal of the American Chemical Society</i> , 2002 , 124, 4974-5	16.4	3815
35	Room temperature ionic liquids as novel media for liquid-liquid extraction. <i>Chemical Communications</i> , 1998 , 1765-1766	5.8	1839
34	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, 6632-3	16.4	858
33	Ionic liquids are not always green: hydrolysis of 1-butyl-3-methylimidazolium hexafluorophosphate. <i>Green Chemistry</i> , 2003 , 5, 361	10	815
32	Task-specific ionic liquids for the extraction of metal ions from aqueous solutions. <i>Chemical Communications</i> , 2001 , 135-136	5.8	744
31	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	10	687
30	The third evolution of ionic liquids: active pharmaceutical ingredients. <i>New Journal of Chemistry</i> , 2007 , 31, 1429	3.6	665
29	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 , 1271-3	5.8	567
28	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	3.9	560
27	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	10	468
26	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, 2523-9	10.3	426
25	LIQUID/LIQUID EXTRACTION OF METAL IONS IN ROOM TEMPERATURE IONIC LIQUIDS. <i>Separation Science and Technology</i> , 2001 , 36, 785-804	2.5	293
24	High-resolution ¹³ C NMR studies of cellulose and cellulose oligomers in ionic liquid solutions. <i>Chemical Communications</i> , 2005 , 1557-9	5.8	274
23	pH-Dependent partitioning in room temperature ionic liquids provides a link to traditional solvent extraction behavior. <i>Green Chemistry</i> , 2000 , 2, 1-4	10	241
22	Solvation of carbohydrates in n,n'-dialkylimidazolium ionic liquids: a multinuclear NMR spectroscopy study. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 11071-8	3.4	171
21	Using <i>Caenorhabditis elegans</i> to probe toxicity of 1-alkyl-3-methylimidazolium chloride based ionic liquids. <i>Chemical Communications</i> , 2004 , 668-9	5.8	165
20	On the solubilization of water with ethanol in hydrophobic hexafluorophosphate ionic liquids. <i>Green Chemistry</i> , 2002 , 4, 81-87	10	151

19	Mercury(II) partitioning from aqueous solutions with a new, hydrophobic ethylene-glycol functionalized bis-imidazolium ionic liquid. <i>Green Chemistry</i> , 2003 , 5, 129-135	10	123
18	Magnetite-embedded cellulose fibers prepared from ionic liquid. <i>Journal of Materials Chemistry</i> , 2008 , 18, 283-290		116
17	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	3.5	88
16	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	10	84
15	Ionic liquid-based preparation of cellulose-dendrimer films as solid supports for enzyme immobilization. <i>Biomacromolecules</i> , 2008 , 9, 381-7	6.9	82
14	Solvation of 1-butyl-3-methylimidazolium hexafluorophosphate in aqueous ethanol—a green solution for dissolving 'hydrophobic' ionic liquids. <i>Chemical Communications</i> , 2001 , 2070-1	5.8	69
13	Use of ionic liquids in the study of fruit ripening by high-resolution ¹³ C NMR spectroscopy: 'green' solvents meet green bananas. <i>Chemical Communications</i> , 2006 , 714-6	5.8	55
12	Sensor technologies based on a cellulose supported platform. <i>Chemical Communications</i> , 2007 , 2025-7	5.8	46
11	Developmental toxicity assessment of the ionic liquid 1-butyl-3-methylimidazolium chloride in CD-1 mice. <i>Green Chemistry</i> , 2008 , 10, 1213	10	40
10	Application of Poly(ethylene glycol)-based Aqueous Biphasic Systems as Reaction and Reactive Extraction Media. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 5358-5364	3.9	40
9	Characterization of Hydrophilic and Hydrophobic Ionic Liquids: Alternatives to Volatile Organic Compounds for Liquid-Liquid Separations. <i>ACS Symposium Series</i> , 2002 , 289-308	0.4	24
8	Applying Ionic Liquids for Controlled Processing of Polymer Materials. <i>ACS Symposium Series</i> , 2005 , 71-87.	0.4	10
7	Room Temperature Ionic Liquids as Replacements for Traditional Organic Solvents and Their Applications Towards Green Chemistry In Separation Processes 2003 , 137-156		8
6	Properties of Cellulose/TiO ₂ Fibers Processed from Ionic Liquids. <i>ACS Symposium Series</i> , 2010 , 261-274	0.4	7
5	Calixarenes as Ligands in Environmentally-Benign Liquid-Liquid Extraction Media. <i>ACS Symposium Series</i> , 2000 , 223-236	0.4	7
4	Green Separation Science and Technology: Replacement of Volatile Organic Compounds in Industrial Scale Liquid-Liquid or Chromatographic Separations. <i>ACS Symposium Series</i> , 2000 , 206-221	0.4	6
3	A comparison of the effects of prenatal exposure of CD-1 mice to three imidazolium-based ionic liquids. <i>Birth Defects Research Part B: Developmental and Reproductive Toxicology</i> , 2010 , 89, 233-8		4
2	Hydrophobic n-Alkyl-N-isoquinolinium Salts: Ionic Liquids and Low Melting Solids. <i>ACS Symposium Series</i> , 2007 , 362-380	0.4	2

1 Mode of Complex Formation Between Thiones and Silver Ion Within a Photothermographic Formulation: The Crystal and Molecular Structure of Hexa-(silver-5-methyl-2-mercaptobenzimidazole THF). *Journal of Imaging Science and Technology*, **2007**, 51, 547

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