Richard P Swatloski

List of Publications by Year
in descending order

37 papers	14,997 citations	201385 27 h-index	344852 36 g-index
39 all docs	39 docs citations	39 times ranked	10708 citing authors

#	Article	IF	Citations
1	Dissolution of Cellose with Ionic Liquids. Journal of the American Chemical Society, 2002, 124, 4974-4975.	6.6	4,294
2	Room temperature ionic liquids as novel media for â€˜cleanâ€™ liquidâ€“liquid extraction. Chemical Communications, 1998, , 1765-1766.	2.2	1,975
3	Controlling the Aqueous Miscibility of Ionic Liquids:â€‰ 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, 6632-6633.	6.6	949
4	Ionic liquids are not always green: hydrolysis of 1-butyl-3-methylimidazolium hexafluorophosphate. Green Chemistry, 2003, 5, 361.	4.6	902
5	Task-specific ionic liquids for the extraction of metal ions from aqueous solutions. Chemical Communications, 2001, , 135-136.	2.2	828
6	The third evolution of ionic liquids: active pharmaceutical ingredients. New Journal of Chemistry, 2007, 31, 1429.	1.4	766
7	Can ionic liquids dissolve wood? Processing and analysis of lignocellulosic materials with 1-n-butyl-3-methylimidazolium chloride. Green Chemistry, 2007, 9, 63-69.	4.6	752
8	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.	2.2	613
9	Traditional Extractants in Nontraditional Solvents:â€‰ Groups 1 and 2 Extraction by Crown Ethers in Room-Temperature Ionic Liquids. Industrial & Engineering Chemistry Research, 2000, 39, 3596-3604.	1.8	612
10	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.	4.6	508
11	Task-Specific Ionic Liquids Incorporating Novel Cations for the Coordination and Extraction of Hg2+and Cd2+:Â Synthesis, Characterization, and Extraction Studies. Environmental Science & Technology, 2002, 36, 2523-2529.	4.6	460
12	LIQUID/LIQUID EXTRACTION OF METAL IONS IN ROOM TEMPERATURE IONIC LIQUIDS. Separation Science and Technology, 2001, 36, 785-804.	1.3	338
13	High-resolution 13C NMR studies of cellulose and cellulose oligomers in ionic liquid solutions. Chemical Communications, 2005, , 1557.	2.2	298
14	pH-Dependent partitioning in room temperature ionic liquids. Green Chemistry, 2000, 2, 1-4.	4.6	272
15	Solvation of Carbohydrates in N,Nâ€²-Dialkylimidazolium Ionic Liquids: A Multinuclear NMR Spectroscopy Study. Journal of Physical Chemistry B, 2008, 112, 11071-11078.	1.2	185
16	Using Caenorhabditis elegans to probe toxicity of 1-alkyl-3-methylimidazolium chloride based ionic liquids. Chemical Communications, 2004, , 668.	2.2	182
17	On the solubilization of water with ethanol in hydrophobic hexafluorophosphate ionic liquids. Green Chemistry, 2002, 4, 81-87.	4.6	159
18	Mercury(ii) partitioning from aqueous solutions with a new, hydrophobic ethylene-glycol functionalized bis-imidazolium ionic liquidThis work was presented at the Green Solvents for Catalysis Meeting held in Bruchsal, Germany, 13â€“16th October 2002.. Green Chemistry, 2003, 5, 129-135.	4.6	130

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19	Magnetite-embedded cellulose fibers prepared from ionic liquid. Journal of Materials Chemistry, 2008, 18, 283-290.	6.7	124
20	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.	1.4	97
21	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.	4.6	93
22	Ionic Liquid-Based Preparation of Celluloseâ˜Dendrimer Films as Solid Supports for Enzyme Immobilization. Biomacromolecules, 2008, 9, 381-387.	2.6	92
23	Solvation of 1-butyl-3-methylimidazolium hexafluorophosphate in aqueous ethanolÃ¢â‚¬â€œa green solution for dissolving Ã¢â‚¬Ëœhydrophobicâ€™ ionic liquids. Chemical Communications, 2001, , 2070-2071.	2.2	76
24	Use of ionic liquids in the study of fruit ripening by high-resolution 13C NMR spectroscopy: â€˜greenâ€™ solvents meet green bananas. Chemical Communications, 2006, , 714.	2.2	65
25	Sensor technologies based on a cellulose supported platform. Chemical Communications, 2007, , 2025-2027.	2.2	51
26	Application of Poly(ethylene glycol)-based Aqueous Biphasic Systems as Reaction and Reactive Extraction Media. Industrial & Engineering Chemistry Research, 2004, 43, 5358-5364.	1.8	45
27	Developmental toxicity assessment of the ionic liquid 1-butyl-3-methylimidazolium chloride in CD-1 mice. Green Chemistry, 2008, 10, 1213.	4.6	45
28	Characterization of Hydrophilic and Hydrophobic Ionic Liquids: Alternatives to Volatile Organic Compounds for Liquid-Liquid Separations. ACS Symposium Series, 2002, , 289-308.	0.5	27
29	Applying Ionic Liquids for Controlled Processing of Polymer Materials. ACS Symposium Series, 2005, , 71-87.	0.5	12
30	Room Temperature Ionic Liquids as Replacements for Traditional Organic Solvents and Their Applications Towards â€œGreen Chemistryâ€•in Separation Processes. , 2003, , 137-156.		10
31	A comparison of the effects of prenatal exposure of CDâ€1 mice to three imidazoliumâ€based ionic liquids. Birth Defects Research Part B: Developmental and Reproductive Toxicology, 2010, 89, 233-238.	1.4	9
32	Calixarenes as Ligands in Environmentally-Benign Liquid-Liquid Extraction Media. ACS Symposium Series, 2000, , 223-236.	0.5	8
33	Properties of Cellulose/TiO₂Fibers Processed from Ionic Liquids. ACS Symposium Series, 2010, , 261-274.	0.5	8
34	Green Separation Science and Technology: Replacement of Volatile Organic Compounds in Industrial Scale Liquid-Liquid or Chromatographic Separations. ACS Symposium Series, 2000, , 206-221.	0.5	6
35	Hydrophobic n-Alkyl-N-isoquinolinium Salts: Ionic Liquids and Low Melting Solids. ACS Symposium Series, 2007, , 362-380.	0.5	3
36	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) Tj ETQq0 0 0 rgBT /Overlock 10 Tf		2

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37	Using Caenorhabditis elegans to Probe Toxicity of 1-Alkyl-3-methylimidazolium Chloride Based Ionic Liquids.. ChemInform, 2004, 35, no.	0.1	0