

# Thomas Welton

## List of Publications by Year in descending order

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187  
papers

38,901  
citations

10351

72  
h-index

4419

172  
g-index

231  
all docs

231  
docs citations

231  
times ranked

22668  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pressing matter: why are ionic liquids so viscous?. <i>Chemical Science</i> , 2022, 13, 2735-2743.	3.7	19
2	Effect of the cation structure on the properties of homobaric imidazolium ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 6453-6468.	1.3	6
3	Mechanical spectroscopy study of ionic liquids with quaternary cations: Effect of conformational flexibility. <i>Journal of Alloys and Compounds</i> , 2022, 919, 165860.	2.8	2
4	Synthesis of aprotic ionic liquids. <i>Nature Reviews Methods Primers</i> , 2022, 2, .	11.8	17
5	Investigation of the influence of natural deep eutectic solvents (NaDES) in the properties of chitosan-stabilised films. <i>Materials Advances</i> , 2021, 2, 3954-3964.	2.6	12
6	Targeted modifications in ionic liquids “ from understanding to design. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 6993-7021.	1.3	71
7	Process Analysis of Ionic Liquid-Based Blends as H <sub>2</sub> S Absorbents: Search for Thermodynamic/Kinetic Synergies. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 2080-2088.	3.2	15
8	A review on machine learning algorithms for the ionic liquid chemical space. <i>Chemical Science</i> , 2021, 12, 6820-6843.	3.7	80
9	Curled cation structures accelerate the dynamics of ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 21042-21064.	1.3	14
10	Mixing divalent ionic liquids: effects of charge and side-chains. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 4624-4635.	1.3	7
11	Sustainability and international chemistry collaboration. <i>National Science Review</i> , 2021, 8, nwab037.	4.6	1
12	Observation of the Pockels Effect in Ionic Liquids and Insights into the Length Scale of Potential-Induced Ordering. <i>Langmuir</i> , 2021, 37, 5193-5201.	1.6	7
13	Energy and environmental analysis of flavonoids extraction from bark using alternative solvents. <i>Journal of Cleaner Production</i> , 2021, 308, 127286.	4.6	14
14	High throughput study of ionic liquids in controlled environments with FTIR spectroscopic imaging. <i>Journal of Molecular Liquids</i> , 2021, 337, 116412.	2.3	6
15	Extraction of flavonoid compounds from bark using sustainable deep eutectic solvents. <i>Sustainable Chemistry and Pharmacy</i> , 2021, 24, 100544.	1.6	13
16	Non-traditional solvent effects in organic reactions. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 26028-26029.	1.3	3
17	Ether functionalisation, ion conformation and the optimisation of macroscopic properties in ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 23038-23056.	1.3	34
18	MAS NMR Investigation of Molecular Order in an Ionic Liquid Crystal. <i>Journal of Physical Chemistry B</i> , 2020, 124, 4975-4988.	1.2	17

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19	Conformational design concepts for anions in ionic liquids. <i>Chemical Science</i> , 2020, 11, 6405-6422.	3.7	33
20	The effect of structural heterogeneity upon the microviscosity of ionic liquids. <i>Chemical Science</i> , 2020, 11, 6121-6133.	3.7	21
21	Effect of an external electric field on the dynamics and intramolecular structures of ions in an ionic liquid. <i>Journal of Chemical Physics</i> , 2019, 151, 164503.	1.2	24
22	On the structural origin of free volume in 1-alkyl-3-methylimidazolium ionic liquid mixtures: a SAXS and <sup>129</sup> Xe NMR study. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 5999-6010.	1.3	21
23	On the Carbene-Like Reactions of Imidazolium Acetate Ionic Liquids: Can Theory and Experiments Agree?. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 504-511.	1.2	21
24	Use of Ionic Liquids for the Biorefinery. , 2019, , 223-255.		0
25	Ionic liquids: a brief history. <i>Biophysical Reviews</i> , 2018, 10, 691-706.	1.5	658
26	Regenerated Cellulose and Willow Lignin Blends as Potential Renewable Precursors for Carbon Fibers. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 5903-5910.	3.2	49
27	Design of task-specific fluorinated ionic liquids: nanosegregation <i>versus</i> hydrogen-bonding ability in aqueous solutions. <i>Chemical Communications</i> , 2018, 54, 3524-3527.	2.2	17
28	Structure and lifetimes in ionic liquids and their mixtures. <i>Faraday Discussions</i> , 2018, 206, 219-245.	1.6	74
29	A closer look into deep eutectic solvents: exploring intermolecular interactions using solvatochromic probes. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 206-213.	1.3	121
30	Ken Seddon's obituary. <i>Biophysical Reviews</i> , 2018, 10, 707-707.	1.5	0
31	Use of Ionic Liquids for the Biorefinery. , 2018, , 1-33.		0
32	Study on Gas Permeation and CO <sub>2</sub> Separation through Ionic Liquid-Based Membranes with Siloxane-Functionalized Cations. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 2229-2239.	1.8	23
33	Ionic liquids assisted processing of renewable resources for the fabrication of biodegradable composite materials. <i>Green Chemistry</i> , 2017, 19, 2051-2075.	4.6	118
34	Effect of pretreatment severity on the cellulose and lignin isolated from <i>Salix</i> using ionic liquid pretreatment. <i>Faraday Discussions</i> , 2017, 202, 331-349.	1.6	67
35	Evidence for the spontaneous formation of N-heterocyclic carbenes in imidazolium based ionic liquids. <i>Chemical Communications</i> , 2017, 53, 11154-11156.	2.2	29
36	The impact of ionic liquids on the coordination of anions with solvatochromic copper complexes. <i>Dalton Transactions</i> , 2017, 46, 12185-12200.	1.6	15

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37	Ionic liquids for metal extraction from chalcopyrite: solid, liquid and gas phase studies. Physical Chemistry Chemical Physics, 2017, 19, 21556-21564.	1.3	18
38	Superbase ionic liquids for effective cellulose processing from dissolution to carbonisation. Green Chemistry, 2017, 19, 5949-5957.	4.6	44
39	Linking the structures, free volumes, and properties of ionic liquid mixtures. Chemical Science, 2017, 8, 6359-6374.	3.7	74
40	An easy and reliable method for syringyl: guaiacyl ratio measurement. Tappi Journal, 2017, 16, 145-152.	0.2	1
41	Correction: Determination of Kamlet-Taft parameters for selected solvate ionic liquids. Physical Chemistry Chemical Physics, 2016, 18, 19975-19975.	1.3	1
42	Solvate Ionic Liquids as Reaction Media for Electrocyclic Transformations. European Journal of Organic Chemistry, 2016, 2016, 913-917.	1.2	27
43	Building an Inclusive Culture in the Chemistry Department at Imperial College. Chemistry - A European Journal, 2016, 22, 3535-3536.	1.7	2
44	A robotic platform for high-throughput electrochemical analysis of chalcopyrite leaching. Green Chemistry, 2016, 18, 1930-1937.	4.6	13
45	Enhancing the stability of ionic liquid media for cellulose processing: acetal protection or carbene suppression?. Green Chemistry, 2016, 18, 3758-3766.	4.6	32
46	Solubility of alkali metal halides in the ionic liquid [C <sub>4</sub> C <sub>1</sub> im][OTf]. Physical Chemistry Chemical Physics, 2016, 18, 16161-16168.	1.3	25
47	Determination of Kamlet-Taft parameters for selected solvate ionic liquids. Physical Chemistry Chemical Physics, 2016, 18, 13153-13157.	1.3	34
48	Willow Lignin Oxidation and Depolymerization under Low Cost Ionic Liquid. ACS Sustainable Chemistry and Engineering, 2016, 4, 5277-5288.	3.2	57
49	Oxidative Depolymerization of Lignin Using a Novel Polyoxometalate-Protic Ionic Liquid System. ACS Sustainable Chemistry and Engineering, 2016, 4, 6031-6036.	3.2	89
50	Mechanistic insights into lignin depolymerisation in acidic ionic liquids. Green Chemistry, 2016, 18, 5456-5465.	4.6	93
51	Doubly ionic hydrogen bond interactions within the choline chloride-urea deep eutectic solvent. Physical Chemistry Chemical Physics, 2016, 18, 18145-18160.	1.3	272
52	Basicity and catalytic activity of porous materials based on a (Si,Al)-N framework. Applied Catalysis A: General, 2016, 520, 157-169.	2.2	6
53	Azoniaspiro salts: towards bridging the gap between room-temperature ionic liquids and molten salts. Physical Chemistry Chemical Physics, 2016, 18, 3339-3351.	1.3	13
54	A structural investigation of ionic liquid mixtures. Physical Chemistry Chemical Physics, 2016, 18, 8608-8624.	1.3	93

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55	Lignin oxidation and depolymerisation in ionic liquids. <i>Green Chemistry</i> , 2016, 18, 834-841.	4.6	111
56	Solvents and sustainable chemistry. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2015, 471, 20150502.	1.0	245
57	Hydrogen bonding and $\pi$ - $\pi$ interactions in imidazolium-chloride ionic liquid clusters. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 14437-14453.	1.3	113
58	Structural changes in lignins isolated using an acidic ionic liquid water mixture. <i>Green Chemistry</i> , 2015, 17, 5019-5034.	4.6	159
59	Design of low-cost ionic liquids for lignocellulosic biomass pretreatment. <i>Green Chemistry</i> , 2015, 17, 1728-1734.	4.6	384
60	A physicochemical investigation of ionic liquid mixtures. <i>Chemical Science</i> , 2015, 6, 1101-1114.	3.7	171
61	Ionic liquids: not always innocent solvents for cellulose. <i>Green Chemistry</i> , 2015, 17, 231-243.	4.6	159
62	Heavy Metal Sensing Using Self-Assembled Nanoparticles at a Liquid-Liquid Interface. <i>Advanced Optical Materials</i> , 2014, 2, 966-977.	3.6	47
63	Extended scale for the hydrogen-bond basicity of ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 6593.	1.3	218
64	The potential of methylsiloxanes as solvents for synthetic chemistry applications. <i>Green Chemistry</i> , 2014, 16, 1282-1296.	4.6	18
65	Competitive $\pi$ interactions and hydrogen bonding within imidazolium ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 3238.	1.3	173
66	Fractionation of lignocellulosic biomass with the ionic liquid 1-butylimidazolium hydrogen sulfate. <i>Green Chemistry</i> , 2014, 16, 1617.	4.6	148
67	The importance of timescale for hydrogen bonding in imidazolium chloride ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 3675.	1.3	78
68	Inexpensive ionic liquids: $[\text{HSO}_4]^-$ -based solvent production at bulk scale. <i>Green Chemistry</i> , 2014, 16, 3098-3106.	4.6	309
69	A quick, simple, robust method to measure the acidity of ionic liquids. <i>Chemical Communications</i> , 2014, 50, 7258-7261.	2.2	28
70	New Experimental Density Data and Soft-SAFT Models of Alkylimidazolium ( $[\text{C}_n\text{Im}]^+\text{Cl}^-$ ), Methylsulfate ( $[\text{MeSO}_4]^-$ ), and Dimethylphosphate ( $[\text{Me}_2\text{PO}_4]^-$ ) Based Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2014, 118, 6206-6221.	1.2	65
71	The impact of anion electronic structure: similarities and differences in imidazolium based ionic liquids. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 284112.	0.7	33
72	On the origin of ionicity in ionic liquids. Ion pairing versus charge transfer. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 16880-16890.	1.3	191

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73	Quantized friction across ionic liquid thin films. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 15317.	1.3	135
74	Thermal decomposition of carboxylate ionic liquids: trends and mechanisms. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 20480.	1.3	217
75	Deconstruction of lignocellulosic biomass with ionic liquids. <i>Green Chemistry</i> , 2013, 15, 550.	4.6	1,243
76	Monolayer to Bilayer Structural Transition in Confined Pyrrolidinium-Based Ionic Liquids. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 378-382.	2.1	145
77	Interfacial Behavior of Thin Ionic Liquid Films on Mica. <i>Journal of Physical Chemistry C</i> , 2013, 117, 5101-5111.	1.5	60
78	A step towards the a priori design of ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 11566.	1.3	62
79	Mixtures of ionic liquids. <i>Chemical Society Reviews</i> , 2012, 41, 7780.	18.7	520
80	Hydrogen Bonding in 1-Butyl- and 1-Ethyl-3-methylimidazolium Chloride Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2012, 116, 4921-4933.	1.2	150
81	Preparation of [Al(hfip) <sub>4</sub> ] <sup>+</sup> -Based Ionic Liquids with Siloxane-Functionalized Cations and Their Physical Properties in Comparison with Their [Tf <sub>2</sub> N] <sup>+</sup> Analogues. <i>ChemPhysChem</i> , 2012, 13, 1802-1805.	1.0	16
82	Soaking of pine wood chips with ionic liquids for reduced energy input during grinding. <i>Green Chemistry</i> , 2012, 14, 1079.	4.6	35
83	Ionic liquids as media for biomass processing: opportunities and restrictions. <i>Holzforschung</i> , 2011, 65, .	0.9	23
84	Ionic liquids in Green Chemistry. <i>Green Chemistry</i> , 2011, 13, 225.	4.6	181
85	Understanding the polarity of ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 16831.	1.3	454
86	Room-Temperature Ionic Liquids: Solvents for Synthesis and Catalysis. 2. <i>Chemical Reviews</i> , 2011, 111, 3508-3576.	23.0	4,688
87	Ionic liquid pretreatment of lignocellulosic biomass with ionic liquid-water mixtures. <i>Green Chemistry</i> , 2011, 13, 2489.	4.6	422
88	Salts dissolved in salts: ionic liquid mixtures. <i>Chemical Science</i> , 2011, 2, 1491.	3.7	178
89	Self-assembly in the electrical double layer of ionic liquids. <i>Chemical Communications</i> , 2011, 47, 6572.	2.2	245
90	Understanding siloxane functionalised ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 2018.	1.3	37

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91	The effect of the ionic liquid anion in the pretreatment of pine wood chips. <i>Green Chemistry</i> , 2010, 12, 672.	4.6	294
92	How Polar are Ionic Liquids?. <i>ECS Transactions</i> , 2009, 16, 33-38.	0.3	12
93	Esterification in Ionic Liquids: The Influence of Solvent Basicity. <i>ECS Transactions</i> , 2009, 16, 103-106.	0.3	0
94	In Search of an "Ionic Liquid Effect". <i>ECS Transactions</i> , 2009, 16, 81-87.	0.3	5
95	A theoretical study of the solvent effect on Diels-Alder reaction in room temperature ionic liquids using a supermolecular approach. <i>Theoretical Chemistry Accounts</i> , 2009, 123, 347-352.	0.5	48
96	Charge Screening in the $S_N2$ Reaction of Charged Electrophiles and Charged Nucleophiles: An Ionic Liquid Effect. <i>Journal of Organic Chemistry</i> , 2009, 74, 1864-1868.	1.7	98
97	An old reaction in new media: kinetic study of a platinum(II) substitution reaction in ionic liquids. <i>Dalton Transactions</i> , 2009, , 4115.	1.6	25
98	Epoxidation of alkenes by Oxone <sup>®</sup> using 2-alkyl-3,4-dihydroisoquinolinium salts as catalysts in ionic liquids. <i>Journal of Molecular Catalysis A</i> , 2008, 279, 148-152.	4.8	24
99	The sustainable chemist. <i>Materials Today</i> , 2008, 11, 56.	8.3	1
100	Nucleophilic Reactions at Cationic Centers in Ionic Liquids and Molecular Solvents. <i>Industrial &amp; Engineering Chemistry Research</i> , 2008, 47, 638-644.	1.8	66
101	Why are ionic liquid ions mainly associated in water? A Car <sup>+</sup> Parrinello study of 1-ethyl-3-methyl-imidazolium chloride water mixture. <i>Journal of Chemical Physics</i> , 2008, 129, 104505.	1.2	130
102	Is catalysis in ionic liquids a potentially green technology?. <i>Green Chemistry</i> , 2008, 10, 483.	4.6	25
103	Esterification in Ionic Liquids: The Influence of Solvent Basicity. <i>Journal of Organic Chemistry</i> , 2008, 73, 5585-5588.	1.7	60
104	A rationalization of the solvent effect on the Diels-Alder reaction in ionic liquids using multiparameter linear solvation energy relationships. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 2522.	1.5	131
105	[BMIM][PF <sub>6</sub> ] Promotes the Synthesis of Halohydrin Esters from Diols Using Potassium Halides. <i>Analytical Sciences</i> , 2008, 24, 1341-1345.	0.8	7
106	The chemistry of East Asian lacquer: A review of the scientific literature. <i>Studies in Conservation</i> , 2007, 52, 29-40.	0.6	18
107	Decolorization of Ionic Liquids for Spectroscopy. <i>Analytical Chemistry</i> , 2007, 79, 758-764.	3.2	179
108	Ionic Liquids as Designer Solvents for Nucleophilic Aromatic Substitutions. <i>Organic Letters</i> , 2007, 9, 5247-5250.	2.4	166

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109	Cooperativity in ionic liquids. <i>Journal of Chemical Physics</i> , 2006, 124, 174506.	1.2	153
110	All solutions have a solvent. <i>Green Chemistry</i> , 2006, 8, 13-13.	4.6	17
111	Using Kamlet-Taft Solvent Descriptors To Explain the Reactivity of Anionic Nucleophiles in Ionic Liquids. <i>Journal of Organic Chemistry</i> , 2006, 71, 8847-8853.	1.7	148
112	Understanding Reactions in Ionic Liquids. <i>ChemInform</i> , 2006, 37, no.	0.1	0
113	Synthesis and Structure of Novel Organocycloborates. <i>Chemistry - A European Journal</i> , 2006, 12, 600-606.	1.7	29
114	Characterising the Electronic Structure of Ionic Liquids: An Examination of the 1-Butyl-3-Methylimidazolium Chloride Ion Pair. <i>Chemistry - A European Journal</i> , 2006, 12, 6762-6775.	1.7	427
115	Ionic Liquid-in-Oil Microemulsions. <i>Journal of the American Chemical Society</i> , 2005, 127, 7302-7303.	6.6	371
116	Understanding Reactions in Ionic Liquids. <i>ACS Symposium Series</i> , 2005, , 218-232.	0.5	4
117	Palladium Catalyzed Reactions in Ionic Liquids. <i>Advances in Organometallic Chemistry</i> , 2004, 51, 251-284.	0.5	44
118	Ionic Liquids as Solvents for Organic Synthesis. <i>ChemInform</i> , 2004, 35, no.	0.1	0
119	Palladium-Catalyzed Reactions in Ionic Liquids. <i>ChemInform</i> , 2004, 35, no.	0.1	0
120	N-donor complexes of palladium as catalysts for Suzuki cross-coupling reactions in ionic liquids. <i>Journal of Molecular Catalysis A</i> , 2004, 214, 27-32.	4.8	68
121	Ionic liquids in catalysis. <i>Coordination Chemistry Reviews</i> , 2004, 248, 2459-2477.	9.5	1,463
122	Novel organocycloborates via Grignard reagents Electronic supplementary information (ESI) available: experimental details and <sup>1</sup> H, <sup>13</sup> C and <sup>11</sup> B NMR data for 1, 2, 3 and 4, single crystal X-ray data and additional figures for 3 and 4. See <a href="http://www.rsc.org/suppdata/cc/b4/b404864d/">http://www.rsc.org/suppdata/cc/b4/b404864d/</a> . <i>Chemical Communications</i> , 2004, , 1738.	2.2	7
123	Solvent strength of ionic liquid/CO <sub>2</sub> mixtures. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 3280.	1.3	79
124	Precise temperature control in microfluidic devices using Joule heating of ionic liquids. <i>Lab on A Chip</i> , 2004, 4, 417.	3.1	114
125	Chiral Ionic Liquids as Stationary Phases in Gas Chromatography. <i>Analytical Chemistry</i> , 2004, 76, 6819-6822.	3.2	275
126	Nucleophilicity in Ionic Liquids. 3.1 Anion Effects on Halide Nucleophilicity in a Series of 1-Butyl-3-methylimidazolium Ionic Liquids. <i>Journal of Organic Chemistry</i> , 2004, 69, 5986-5992.	1.7	108



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127	Manipulating Solute Nucleophilicity with Room Temperature Ionic Liquids. <i>Journal of the American Chemical Society</i> , 2004, 126, 11549-11555.	6.6	226
128	Solvent-solute interactions in ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 2790-2794.	1.3	748
129	Synthesis and Catalysis in Room-Temperature Ionic Liquids. <i>ChemInform</i> , 2003, 34, no.	0.1	0
130	Novel palladium imidazole catalysts for Suzuki cross-coupling reactions. <i>Journal of Molecular Catalysis A</i> , 2003, 206, 77-82.	4.8	79
131	Palladium-Catalyzed Suzuki Cross-Coupling Reactions in Ambient Temperature Ionic Liquids: Evidence for the Importance of Palladium Imidazolylidene Complexes. <i>Organometallics</i> , 2003, 22, 5350-5357.	1.1	145
132	Determination of hydrogen concentration in ionic liquids and the effect (or lack of) on rates of hydrogenation. <i>Chemical Communications</i> , 2003, , 2418-2419.	2.2	161
133	Ionic Liquids as Solvents for Organic Synthesis. , 2003, , 457-464.		2
134	Electrochemistry of Vanadium Oxides and Oxyhalides in Chloroaluminate Room Temperature Ionic Liquids: Formation of a New Ionic Liquid. <i>Journal of the Electrochemical Society</i> , 2002, 149, A371.	1.3	23
135	Dynamic Supramolecular Chemistry: The Role of Hydrogen Bonding in Controlling the Selectivity of Diels-Alder Reactions in Room-Temperature Ionic Liquids. <i>ACS Symposium Series</i> , 2002, , 241-246.	0.5	2
136	A Highly Selective Arene Hydrogenation Catalyst that Operates in Ionic Liquid. <i>Journal of the American Chemical Society</i> , 2002, 124, 9334-9335.	6.6	79
137	Characterizing Ionic Liquids On the Basis of Multiple Solvation Interactions. <i>Journal of the American Chemical Society</i> , 2002, 124, 14247-14254.	6.6	1,036
138	The role of hydrogen bonding in controlling the selectivity of Diels-Alder reactions in room-temperature ionic liquids. <i>Green Chemistry</i> , 2002, 4, 517-520.	4.6	287
139	Palladium-Catalyzed Carbon-Carbon Coupling Reactions in Room-Temperature Ionic Liquids. <i>ACS Symposium Series</i> , 2002, , 310-320.	0.5	1
140	The oxidation of alcohols in substituted imidazolium ionic liquids using ruthenium catalysts. <i>Green Chemistry</i> , 2002, 4, 97-102.	4.6	142
141	Increased catalytic productivity for nanofiltration-coupled Heck reactions using highly stable catalyst systems. <i>Green Chemistry</i> , 2002, 4, 319-324.	4.6	46
142	Nucleophilicity in Ionic Liquids. 2.1 Cation Effects on Halide Nucleophilicity in a Series of Bis(trifluoromethylsulfonyl)imide Ionic Liquids. <i>Journal of Organic Chemistry</i> , 2002, 67, 8855-8861.	1.7	191
143	Synthesis and Catalysis in Room-Temperature Ionic Liquids. , 2002, , 345-355.		0
144	A study of halide nucleophilicity in ionic liquids. <i>Perkin Transactions II RSC</i> , 2001, , 2267-2270.	1.1	108

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145	In Situ Formation of Mixed Phosphine-Imidazolylidene Palladium Complexes in Room-Temperature Ionic Liquids. <i>Organometallics</i> , 2001, 20, 3848-3850.	1.1	184
146	A temperature-controlled reversible ionic liquid - water two phase - single phase protocol for hydrogenation catalysis. <i>Canadian Journal of Chemistry</i> , 2001, 79, 705-708.	0.6	76
147	Molecular states of water in room temperature ionic liquids Electronic Supplementary Information available. See <a href="http://www.rsc.org/suppdata/cp/b1/b106900d/">http://www.rsc.org/suppdata/cp/b1/b106900d/</a> . <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 5192-5200.	1.3	1,364
148	1-Butyl-3-methylimidazolium cobalt tetracarbonyl [bmim][Co(CO) <sub>4</sub> ]: a catalytically active organometallic ionic liquid. <i>Chemical Communications</i> , 2001, , 1862-1863.	2.2	119
149	Electrospray mass spectrometry of [Ru <sub>4</sub> (μ <sub>6</sub> -C <sub>6</sub> H <sub>6</sub> ) <sub>4</sub> (OH) <sub>4</sub> ] <sup>4+</sup> : first direct evidence for the persistence of the cubane unit in solution and its role as a precatalyst in the hydrogenation of benzene. <i>Inorganic Chemistry Communication</i> , 2001, 4, 571-573.	1.8	22
150	Combining ionic liquids and supercritical fluids: in situ ATR-IR study of CO <sub>2</sub> dissolved in two ionic liquids at high pressures. <i>Chemical Communications</i> , 2000, , 2047-2048.	2.2	379
151	Palladium catalysed Suzuki cross-coupling reactions in ambient temperature ionic liquids. <i>Chemical Communications</i> , 2000, , 1249-1250.	2.2	248
152	Unprecedented coupling of vinylidene and allenylidene ligands with dithiocarbamates: X-ray structure of [Ru{C(=C)Ph <sub>2</sub> SC(NMe <sub>2</sub> )S}(S <sub>2</sub> CNMe <sub>2</sub> )(CO)(PPh <sub>3</sub> )]. <i>Journal of Organometallic Chemistry</i> , 1999, 578, 264-267.	0.8	39
153	Diels-Alder reactions in room-temperature ionic liquids. <i>Tetrahedron Letters</i> , 1999, 40, 793-796.	0.7	390
154	Hydrogenation of non-activated alkenes catalysed by water-soluble ruthenium carbonyl clusters using a biphasic protocol. <i>Journal of Molecular Catalysis A</i> , 1999, 150, 71-75.	4.8	36
155	Metal-containing dendritic polymers. <i>Polyhedron</i> , 1999, 18, 3575-3591.	1.0	86
156	Chloroaluminate(III) ionic liquid mediated synthesis of transition metal-cyclophane; complexes: their role as solvent and Lewis acid catalyst. <i>Journal of Organometallic Chemistry</i> , 1999, 573, 292-298.	0.8	28
157	Room-Temperature Ionic Liquids. <i>Solvents for Synthesis and Catalysis</i> . <i>Chemical Reviews</i> , 1999, 99, 2071-2084.	23.0	11,639
158	Control of intramolecular acetate-allenylidene coupling by spectator co-ligand acidity. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 1911-1912.	1.1	24
159	Arene hydrogenation in a room-temperature ionic liquid using a ruthenium cluster catalyst. <i>Chemical Communications</i> , 1999, , 25-26.	2.2	221
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#	ARTICLE	IF	CITATIONS
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