Thomas Welton

List of Publications by Year in Descending Order

191 papers	33,395 citations	70 h-index	182 g-index
230 ext. papers	35,660 ext. citations	6.8 avg, IF	8.05 L-index

#	Paper	IF	Citations
191	Pressing matter: why are ionic liquids so viscous?. *Chemical Science*, **2022**, 13, 2735-2743	9.4	2
190	Effect of the cation structure on the properties of homobaric imidazolium ionic liquids.. *Physical Chemistry Chemical Physics*, **2022**,	3.6	1
189	Extraction of flavonoid compounds from bark using sustainable deep eutectic solvents. *Sustainable Chemistry and Pharmacy*, **2021**, 24, 100544	3.9	3
188	Sustainability and international chemistry collaboration. *National Science Review*, **2021**, 8, nwab037	10.8	0
187	Observation of the Pockels Effect in Ionic Liquids and Insights into the Length Scale of Potential-Induced Ordering. *Langmuir*, **2021**, 37, 5193-5201	4	2
186	Energy and environmental analysis of flavonoids extraction from bark using alternative solvents. *Journal of Cleaner Production*, **2021**, 308, 127286	10.3	4
185	Investigation of the influence of natural deep eutectic solvents (NaDES) in the properties of chitosan-stabilised films. *Materials Advances*, **2021**, 2, 3954-3964	3.3	1
184	Targeted modifications in ionic liquids - from understanding to design. *Physical Chemistry Chemical Physics*, **2021**, 23, 6993-7021	3.6	24
183	Process Analysis of Ionic Liquid-Based Blends as H2S Absorbents: Search for Thermodynamic/Kinetic Synergies. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 2080-2088	8.3	5
182	A review on machine learning algorithms for the ionic liquid chemical space. *Chemical Science*, **2021**, 12, 6820-6843	9.4	19
181	Curled cation structures accelerate the dynamics of ionic liquids. *Physical Chemistry Chemical Physics*, **2021**, 23, 21042-21064	3.6	3
180	Mixing divalent ionic liquids: effects of charge and side-chains. *Physical Chemistry Chemical Physics*, **2021**, 23, 4624-4635	3.6	1
179	High throughput study of ionic liquids in controlled environments with FTIR spectroscopic imaging. *Journal of Molecular Liquids*, **2021**, 337, 116412	6	2
178	Ether functionalisation, ion conformation and the optimisation of macroscopic properties in ionic liquids. *Physical Chemistry Chemical Physics*, **2020**, 22, 23038-23056	3.6	13
177	MAS NMR Investigation of Molecular Order in an Ionic Liquid Crystal. *Journal of Physical Chemistry B* , **2020**, 124, 4975-4988	3.4	11
176	Conformational design concepts for anions in ionic liquids.. *Chemical Science*, **2020**, 11, 6405-6422	9.4	13
175	The effect of structural heterogeneity upon the microviscosity of ionic liquids. *Chemical Science*, **2020**, 11, 6121-6133	9.4	11

174	Effect of an external electric field on the dynamics and intramolecular structures of ions in an ionic liquid. *Journal of Chemical Physics*, **2019**, 151, 164503	3.9	9
173	Use of Ionic Liquids for the Biorefinery **2019**, 223-255		
172	On the structural origin of free volume in 1-alkyl-3-methylimidazolium ionic liquid mixtures: a SAXS and Xe NMR study. *Physical Chemistry Chemical Physics*, **2019**, 21, 5999-6010	3.6	13
171	On the Carbene-Like Reactions of Imidazolium Acetate Ionic Liquids: Can Theory and Experiments Agree?. *European Journal of Organic Chemistry*, **2019**, 2019, 504-511	3.2	14
170	Ionic liquids: a brief history. *Biophysical Reviews*, **2018**, 10, 691-706	3.7	412
169	Regenerated Cellulose and Willow Lignin Blends as Potential Renewable Precursors for Carbon Fibers. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 5903-5910	8.3	26
168	Design of task-specific fluorinated ionic liquids: nanosegregation versus hydrogen-bonding ability in aqueous solutions. *Chemical Communications*, **2018**, 54, 3524-3527	5.8	12
167	Structure and lifetimes in ionic liquids and their mixtures. *Faraday Discussions*, **2018**, 206, 219-245	3.6	57
166	Study on Gas Permeation and CO2 Separation through Ionic Liquid-Based Membranes with Siloxane-Functionalized Cations. *Industrial & Engineering Chemistry Research*, **2017**, 56, 2229-2239	3.9	18
165	Ionic liquids assisted processing of renewable resources for the fabrication of biodegradable composite materials. *Green Chemistry*, **2017**, 19, 2051-2075	10	92
164	Effect of pretreatment severity on the cellulose and lignin isolated from Salix using ionoSolv pretreatment. *Faraday Discussions*, **2017**, 202, 331-349	3.6	56
163	Evidence for the spontaneous formation of N-heterocyclic carbenes in imidazolium based ionic liquids. *Chemical Communications*, **2017**, 53, 11154-11156	5.8	18
162	The impact of ionic liquids on the coordination of anions with solvatochromic copper complexes. *Dalton Transactions*, **2017**, 46, 12185-12200	4.3	10
161	Ionic liquids for metal extraction from chalcopyrite: solid, liquid and gas phase studies. *Physical Chemistry Chemical Physics*, **2017**, 19, 21556-21564	3.6	15
160	Superbase ionic liquids for effective cellulose processing from dissolution to carbonisation. *Green Chemistry*, **2017**, 19, 5949-5957	10	33
159	Linking the structures, free volumes, and properties of ionic liquid mixtures. *Chemical Science*, **2017**, 8, 6359-6374	9.4	47
158	An easy and reliable method for syringyl: guaiacyl ratio measurement. *Tappi Journal*, **2017**, 16, 145-152	0.5	1
157	A closer look into deep eutectic solvents: exploring intermolecular interactions using solvatochromic probes. *Physical Chemistry Chemical Physics*, **2017**, 20, 206-213	3.6	75

156	Oxidative Depolymerization of Lignin Using a Novel Polyoxometalate-Protic Ionic Liquid System. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 6031-6036	8.3	65
155	Mechanistic insights into lignin depolymerisation in acidic ionic liquids. *Green Chemistry*, **2016**, 18, 5456-5465	10	75
154	Doubly ionic hydrogen bond interactions within the choline chloride-urea deep eutectic solvent. *Physical Chemistry Chemical Physics*, **2016**, 18, 18145-60	3.6	212
153	Basicity and catalytic activity of porous materials based on a (Si,Al)-N framework. *Applied Catalysis A: General*, **2016**, 520, 157-169	5.1	6
152	Azoniaspiro salts: towards bridging the gap between room-temperature ionic liquids and molten salts. *Physical Chemistry Chemical Physics*, **2016**, 18, 3339-51	3.6	11
151	A structural investigation of ionic liquid mixtures. *Physical Chemistry Chemical Physics*, **2016**, 18, 8608-24	3.6	76
150	Lignin oxidation and depolymerisation in ionic liquids. *Green Chemistry*, **2016**, 18, 834-841	10	94
149	Correction: Determination of Kamlet-Taft parameters for selected solvate ionic liquids. *Physical Chemistry Chemical Physics*, **2016**, 18, 19975	3.6	1
148	Solvate Ionic Liquids as Reaction Media for Electrocyclic Transformations. *European Journal of Organic Chemistry*, **2016**, 2016, 913-917	3.2	26
147	A robotic platform for high-throughput electrochemical analysis of chalcopyrite leaching. *Green Chemistry*, **2016**, 18, 1930-1937	10	7
146	Enhancing the stability of ionic liquid media for cellulose processing: acetal protection or carbene suppression?. *Green Chemistry*, **2016**, 18, 3758-3766	10	26
145	Solubility of alkali metal halides in the ionic liquid [C4C1im][OTf]. *Physical Chemistry Chemical Physics*, **2016**, 18, 16161-8	3.6	20
144	Determination of Kamlet-Taft parameters for selected solvate ionic liquids. *Physical Chemistry Chemical Physics*, **2016**, 18, 13153-7	3.6	29
143	Willow Lignin Oxidation and Depolymerization under Low Cost Ionic Liquid. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 5277-5288	8.3	48
142	Hydrogen bonding and □-□ interactions in imidazolium-chloride ionic liquid clusters. *Physical Chemistry Chemical Physics*, **2015**, 17, 14437-53	3.6	88
141	Structural changes in lignins isolated using an acidic ionic liquid water mixture. *Green Chemistry*, **2015**, 17, 5019-5034	10	120
140	Design of low-cost ionic liquids for lignocellulosic biomass pretreatment. *Green Chemistry*, **2015**, 17, 1728-1734	10	341
139	A physicochemical investigation of ionic liquid mixtures. *Chemical Science*, **2015**, 6, 1101-1114	9.4	140

138	Ionic liquids: not always innocent solvents for cellulose. *Green Chemistry*, **2015**, 17, 231-243	10	139
137	Ionic Liquids and Organic Reaction Mechanisms **2015**, 209-230		
136	Solvents and sustainable chemistry. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2015**, 471, 20150502	2.4	163
135	Extended scale for the hydrogen-bond basicity of ionic liquids. *Physical Chemistry Chemical Physics*, **2014**, 16, 6593-601	3.6	189
134	The potential of methylsiloxanes as solvents for synthetic chemistry applications. *Green Chemistry*, **2014**, 16, 1282-1296	10	16
133	Competitive pi interactions and hydrogen bonding within imidazolium ionic liquids. *Physical Chemistry Chemical Physics*, **2014**, 16, 3238-53	3.6	143
132	Fractionation of lignocellulosic biomass with the ionic liquid 1-butylimidazolium hydrogen sulfate. *Green Chemistry*, **2014**, 16, 1617	10	124
131	The importance of timescale for hydrogen bonding in imidazolium chloride ionic liquids. *Physical Chemistry Chemical Physics*, **2014**, 16, 3675-85	3.6	62
130	Inexpensive ionic liquids: [HSO4]□based solvent production at bulk scale. *Green Chemistry*, **2014**, 16, 3098-3106	10	256
129	A quick, simple, robust method to measure the acidity of ionic liquids. *Chemical Communications*, **2014**, 50, 7258-61	5.8	20
128	New experimental density data and soft-SAFT models of alkylimidazolium ([C(n)C□m]+) chloride (Cl?), methylsulfate ([MeSO□?), and dimethylphosphate ([Me□PO□?) based ionic liquids. *Journal of Physical Chemistry B*, **2014**, 118, 6206-21	3.4	55
127	The impact of anion electronic structure: similarities and differences in imidazolium based ionic liquids. *Journal of Physics Condensed Matter*, **2014**, 26, 284112	1.8	31
126	On the origin of ionicity in ionic liquids. Ion pairing versus charge transfer. *Physical Chemistry Chemical Physics*, **2014**, 16, 16880-90	3.6	161
125	Introducing Ionic Liquids **2014**, 11-36		1
124	Heavy Metal Sensing Using Self-Assembled Nanoparticles at a Liquid□liquid Interface. *Advanced Optical Materials*, **2014**, 2, 966-977	8.1	31
123	Quantized friction across ionic liquid thin films. *Physical Chemistry Chemical Physics*, **2013**, 15, 15317-20	3.6	113
122	Thermal decomposition of carboxylate ionic liquids: trends and mechanisms. *Physical Chemistry Chemical Physics*, **2013**, 15, 20480-95	3.6	179
121	Deconstruction of lignocellulosic biomass with ionic liquids. *Green Chemistry*, **2013**, 15, 550	10	1054

120	Monolayer to Bilayer Structural Transition in Confined Pyrrolidinium-Based Ionic Liquids. *Journal of Physical Chemistry Letters*, **2013**, 4, 378-82	6.4	128
119	Interfacial Behavior of Thin Ionic Liquid Films on Mica. *Journal of Physical Chemistry C*, **2013**, 117, 5101-5111	4.8	52
118	A step towards the a priori design of ionic liquids. *Physical Chemistry Chemical Physics*, **2013**, 15, 11566-78	3.6	57
117	Mixtures of ionic liquids. *Chemical Society Reviews*, **2012**, 41, 7780-802	58.5	444
116	Hydrogen bonding in 1-butyl- and 1-ethyl-3-methylimidazolium chloride ionic liquids. *Journal of Physical Chemistry B*, **2012**, 116, 4921-33	3.4	139
115	Preparation of [Al(hfip)4](-)-based ionic liquids with siloxane-functionalized cations and their physical properties in comparison with their [Tf2N]- analogues. *ChemPhysChem*, **2012**, 13, 1802-5	3.2	15
114	Soaking of pine wood chips with ionic liquids for reduced energy input during grinding. *Green Chemistry*, **2012**, 14, 1079	10	32
113	Ionic liquids as media for biomass processing: opportunities and restrictions. *Holzforschung*, **2011**, 65,	2	18
112	Understanding the polarity of ionic liquids. *Physical Chemistry Chemical Physics*, **2011**, 13, 16831-40	3.6	399
111	Room-temperature ionic liquids: solvents for synthesis and catalysis. 2. *Chemical Reviews*, **2011**, 111, 3508-76	68.1	3373
110	Ionic liquid pretreatment of lignocellulosic biomass with ionic liquid□water mixtures. *Green Chemistry*, **2011**, 13, 2489	10	376
109	Salts dissolved in salts: ionic liquid mixtures. *Chemical Science*, **2011**, 2, 1491	9.4	164
108	Self-assembly in the electrical double layer of ionic liquids. *Chemical Communications*, **2011**, 47, 6572-4	5.8	214
107	The effect of the ionic liquid anion in the pretreatment of pine wood chips. *Green Chemistry*, **2010**, 12, 672	10	273
106	**2010**,		431
105	Understanding siloxane functionalised ionic liquids. *Physical Chemistry Chemical Physics*, **2010**, 12, 2018-29	3.6	35
104	Appendix A. Properties, Purification, and Use of Organic Solvents **2010**, 549-586		5
103	Solute-Solvent Interactions **2010**, 7-64		4

102	Classification of Solvents **2010**, 65-106		2
101	Solvent Effects on the Position of Homogeneous Chemical Equilibria **2010**, 107-163		4
100	Solvent Effects on the Rates of Homogeneous Chemical Reactions **2010**, 165-357		2
99	Solvent Effects on the Absorption Spectra of Organic Compounds **2010**, 359-424		11
98	Empirical Parameters of Solvent Polarity **2010**, 425-508		18
97	Solvents and Green Chemistry **2010**, 509-548		2
96	Figure and Table Credits **2010**, 675-675		
95	How Polar are Ionic Liquids?. *ECS Transactions*, **2009**, 16, 33-38	1	8
94	Esterification in Ionic Liquids: The Influence of Solvent Basicity. *ECS Transactions*, **2009**, 16, 103-106	1	
93	In Search of an "Ionic Liquid Effect". *ECS Transactions*, **2009**, 16, 81-87	1	5
92	A theoretical study of the solvent effect on Diels-Alder reaction in room temperature ionic liquids using a supermolecular approach. *Theoretical Chemistry Accounts*, **2009**, 123, 347-352	1.9	45
91	Charge screening in the S(N)2 reaction of charged electrophiles and charged nucleophiles: an ionic liquid effect. *Journal of Organic Chemistry*, **2009**, 74, 1864-8	4.2	88
90	An old reaction in new media: kinetic study of a platinum(II) substitution reaction in ionic liquids. *Dalton Transactions*, **2009**, 4115-21	4.3	24
89	Nucleophilic Reactions at Cationic Centers in Ionic Liquids and Molecular Solvents. *Industrial & Engineering Chemistry Research*, **2008**, 47, 638-644	3.9	60
88	Why are ionic liquid ions mainly associated in water? A Car-Parrinello study of 1-ethyl-3-methyl-imidazolium chloride water mixture. *Journal of Chemical Physics*, **2008**, 129, 104505	3.9	123
87	Esterification in ionic liquids: the influence of solvent basicity. *Journal of Organic Chemistry*, **2008**, 73, 5585-8	4.2	55
86	A rationalization of the solvent effect on the Diels-Alder reaction in ionic liquids using multiparameter linear solvation energy relationships. *Organic and Biomolecular Chemistry*, **2008**, 6, 2522-9	3.9	120
85	[BMIM][PF(6)] promotes the synthesis of halohydrin esters from diols using potassium halides. *Analytical Sciences*, **2008**, 24, 1341-5	1.7	7

84	Epoxidation of alkenes by Oxone using 2-alkyl-3,4-dihydroisoquinolinium salts as catalysts in ionic liquids. *Journal of Molecular Catalysis A*, **2008**, 279, 148-152		23
83	Ionic liquids as designer solvents for nucleophilic aromatic substitutions. *Organic Letters*, **2007**, 9, 5247-50	6.2	132
82	The chemistry of East Asian lacquer: A review of the scientific literature. *Studies in Conservation*, **2007**, 52, 29-40	0.6	10
81	Decolorization of ionic liquids for spectroscopy. *Analytical Chemistry*, **2007**, 79, 758-64	7.8	163
80	Characterising the electronic structure of ionic liquids: an examination of the 1-butyl-3-methylimidazolium chloride ion pair. *Chemistry - A European Journal*, **2006**, 12, 6762-75	4.8	398
79	Cooperativity in ionic liquids. *Journal of Chemical Physics*, **2006**, 124, 174506	3.9	146
78	Using Kamlet-Taft solvent descriptors to explain the reactivity of anionic nucleophiles in ionic liquids. *Journal of Organic Chemistry*, **2006**, 71, 8847-53	4.2	135
77	Synthesis and structure of novel organocycloborates. *Chemistry - A European Journal*, **2005**, 12, 600-6	4.8	28
76	Ionic liquid-in-oil microemulsions. *Journal of the American Chemical Society*, **2005**, 127, 7302-3	16.4	357
75	Understanding Reactions in Ionic Liquids. *ACS Symposium Series*, **2005**, 218-232	0.4	3
74	Palladium Catalyzed Reactions in Ionic Liquids. *Advances in Organometallic Chemistry*, **2004**, 51, 251-284	3.8	37
73	N-donor complexes of palladium as catalysts for Suzuki cross-coupling reactions in ionic liquids. *Journal of Molecular Catalysis A*, **2004**, 214, 27-32		65
72	Ionic liquids in catalysis. *Coordination Chemistry Reviews*, **2004**, 248, 2459-2477	23.2	1312
71	Novel organocycloborates via Grignard reagents. *Chemical Communications*, **2004**, 1738-9	5.8	7
70	Solvent strength of ionic liquid/CO2 mixtures. *Physical Chemistry Chemical Physics*, **2004**, 6, 3280	3.6	76
69	Precise temperature control in microfluidic devices using Joule heating of ionic liquids. *Lab on A Chip*, **2004**, 4, 417-9	7.2	98
68	Chiral ionic liquids as stationary phases in gas chromatography. *Analytical Chemistry*, **2004**, 76, 6819-22	7.8	260
67	Nucleophilicity in ionic liquids. 3. Anion effects on halide nucleophilicity in a series of 1-butyl-3-methylimidazolium ionic liquids. *Journal of Organic Chemistry*, **2004**, 69, 5986-92	4.2	107

66	Manipulating solute nucleophilicity with room temperature ionic liquids. *Journal of the American Chemical Society*, **2004**, 126, 11549-55	16.4	205
65	Solvent–solute interactions in ionic liquids. *Physical Chemistry Chemical Physics*, **2003**, 5, 2790-2794	3.6	701
64	Novel palladium imidazole catalysts for Suzuki cross-coupling reactions. *Journal of Molecular Catalysis A*, **2003**, 206, 77-82		75
63	Palladium-Catalyzed Suzuki Cross-Coupling Reactions in Ambient Temperature Ionic Liquids: Evidence for the Importance of Palladium Imidazolylidene Complexes. *Organometallics*, **2003**, 22, 5350-5357	3.8	128
62	Determination of hydrogen concentration in ionic liquids and the effect (or lack of) on rates of hydrogenation. *Chemical Communications*, **2003**, 2418-9	5.8	151
61	Ionic Liquids as Solvents for Organic Synthesis **2003**, 457-464		1
60	Nucleophilicity in ionic liquids. 2.(1) Cation effects on halide nucleophilicity in a series of bis(trifluoromethylsulfonyl)imide ionic liquids. *Journal of Organic Chemistry*, **2002**, 67, 8855-61	4.2	181
59	Electrochemistry of Vanadium Oxides and Oxyhalides in Chloroaluminate Room Temperature Ionic Liquids: Formation of a New Ionic Liquid. *Journal of the Electrochemical Society*, **2002**, 149, A371	3.9	22
58	Dynamic Supramolecular Chemistry: The Role of Hydrogen Bonding in Controlling the Selectivity of Diels-Alder Reactions in Room-Temperature Ionic Liquids. *ACS Symposium Series*, **2002**, 241-246	0.4	2
57	A highly selective arene hydrogenation catalyst that operates in ionic liquid. *Journal of the American Chemical Society*, **2002**, 124, 9334-5	16.4	58
56	Characterizing ionic liquids on the basis of multiple solvation interactions. *Journal of the American Chemical Society*, **2002**, 124, 14247-54	16.4	948
55	The role of hydrogen bonding in controlling the selectivity of Diels–Alder reactions in room-temperature ionic liquids. *Green Chemistry*, **2002**, 4, 517-520	10	263
54	Palladium-Catalyzed Carbon–Carbon Coupling Reactions in Room-Temperature Ionic Liquids. *ACS Symposium Series*, **2002**, 310-320	0.4	1
53	The oxidation of alcohols in substituted imidazolium ionic liquids using ruthenium catalysts. *Green Chemistry*, **2002**, 4, 97-102	10	130
52	Increased catalytic productivity for nanofiltration-coupled Heck reactions using highly stable catalyst systems. *Green Chemistry*, **2002**, 4, 319-324	10	41
51	Synthesis and Catalysis in Room-Temperature Ionic Liquids **2002**, 345-355		
50	Electrospray mass spectrometry of [Ru4(η-C6H6)4(OH)4]4+: first direct evidence for the persistence of the cubane unit in solution and its role as a precatalyst in the hydrogenation of benzene. *Inorganic Chemistry Communication*, **2001**, 4, 571-573	3.1	15
49	A study of halide nucleophilicity in ionic liquids. *Perkin Transactions II RSC*, **2001**, 2267-2270		101

48	In Situ Formation of Mixed Phosphine–Imidazolylidene Palladium Complexes in Room-Temperature Ionic Liquids. *Organometallics*, **2001**, 20, 3848-3850	3.8	149
47	A temperature-controlled reversible ionic liquid - water two phase - single phase protocol for hydrogenation catalysis. *Canadian Journal of Chemistry*, **2001**, 79, 705-708	0.9	63
46	Molecular states of water in room temperature ionic liquids. *Physical Chemistry Chemical Physics*, **2001**, 3, 5192-5200	3.6	1264
45	1-butyl-3-methylimidazolium cobalt tetracarbonyl [bmim][Co(CO)4]: a catalytically active organometallic ionic liquid. *Chemical Communications*, **2001**, 1862-3	5.8	105
44	Combining ionic liquids and supercritical fluids: in situ ATR-IR study of CO2 dissolved in two ionic liquids at high pressures. *Chemical Communications*, **2000**, 2047-2048	5.8	342
43	Palladium catalysed Suzuki cross-coupling reactions in ambient temperature ionic liquids. *Chemical Communications*, **2000**, 1249-1250	5.8	220
42	Unprecedented coupling of vinylidene and allenylidene ligands with dithiocarbamates: X-ray structure of [Ru{C(?C?CPh2)SC(NMe2)S}(S2CNMe2)(CO)(PPh3)]. *Journal of Organometallic Chemistry*, **1999**, 578, 264-267	2.3	32
41	Diels-Alder reactions in room-temperature ionic liquids. *Tetrahedron Letters*, **1999**, 40, 793-796	2	342
40	Hydrogenation of non-activated alkenes catalysed by water-soluble ruthenium carbonyl clusters using a biphasic protocol. *Journal of Molecular Catalysis A*, **1999**, 150, 71-75		27
39	Metal-containing dendritic polymers. *Polyhedron*, **1999**, 18, 3575-3591	2.7	73
38	Chloroaluminate(III) ionic liquid mediated synthesis of transition metal–cyclophane; complexes: their role as solvent and Lewis acid catalyst. *Journal of Organometallic Chemistry*, **1999**, 573, 292-298	2.3	23
37	Room-Temperature Ionic Liquids. Solvents for Synthesis and Catalysis. *Chemical Reviews*, **1999**, 99, 2071-2084	28.8	10712
36	Control of intramolecular acetate–allenylidene coupling by spectator co-ligand π-acidity. *Journal of the Chemical Society Dalton Transactions*, **1999**, 1911-1912		23
35	Arene hydrogenation in a room-temperature ionic liquid using a ruthenium cluster catalyst. *Chemical Communications*, **1999**, 25-26	5.8	199
34	Alkylidene–Dithiocarbamate coupling—crystal structure of [Ru{μ-CH(C6H4OMe-4)SC(NC4H8)S}{μ-S2CNC4H8}(CO)(PPh3)]. *New Journal of Chemistry*, **1998**, 22, 311-314	3.6	10
33	Dithiocarbamate-Functionalized Dendrimers as Ligands for Metal Complexes. *Inorganic Chemistry*, **1998**, 37, 3753-3758	5.1	30
32	Regioselective Nucleophilic Addition to Vinyl Carbenes (Metallabutadienes): Crystal Structure of [Ru{CH(CHCPh2)SC(NMe2)S}(S2CNMe2)(CO)(PPh3)]. *Organometallics*, **1998**, 17, 1916-1918	3.8	20
31	Organometallic synthesis in ambient temperature chloroaluminate(III) ionic liquids. Ligand exchange reactions of ferrocene. *Journal of the Chemical Society Dalton Transactions*, **1997**, 3465-3469		99

30	Convenient and General Synthesis of Symmetrical N,N′-Disubstituted Imidazolium Halides. *Synthesis*, **1996**, 1996, 697-698	2.9	44
29	Vanadium chloride and chloride oxide complexes in an ambient-temperature ionic liquid. The first use of bis(trichloromethyl) carbonate as a substitute for phosgene in an inorganic system. *Journal of the Chemical Society Dalton Transactions*, **1996**, 2787		10
28	Hydrogen bonding in imidazolium salts and its implications for ambient-temperature halogenoaluminate(III) ionic liquids. *Journal of the Chemical Society Dalton Transactions*, **1995**, 3467		287
27	Evidence for hydrogen bonding in solutions of 1-ethyl-3-methylimidazolium halides, and its implications for room-temperature halogenoaluminate(III) ionic liquids. *Journal of the Chemical Society Dalton Transactions*, **1994**, 3405		257
26	1:1 Imidazolium 7,7′,8,8′-Tetracyano-p-quinodimethanide ([TCNQ].bul.-) Salts: Substituent Control of Solid-State Architecture. *Chemistry of Materials*, **1994**, 6, 1106-1108	9.6	9
25	Hydrogen-bond acceptor abilities of tetrachlorometalate(II) complexes in ionic liquids. *Journal of the Chemical Society Dalton Transactions*, **1993**, 2639		171
24	Removal of oxide contamination from ambient-temperature chloroaluminate(III) ionic liquids. *Journal of the Chemical Society Dalton Transactions*, **1993**, 3283		8
23	A fast atom bombardment mass spectrometric study of room-temperature 1-ethyl-3-methylimidazolium chloroaluminate(III) ionic liquids. Evidence for the existence of the decachlorotrialuminate(III) anion. *Organic Mass Spectrometry*, **1993**, 28, 759-765		55
22	Vanadyl complexes in ambient-temperature ionic liquids. The first x-ray crystal structure of a tetrachlorooxovanadate(IV) salt. *Polyhedron*, **1993**, 12, 2039-2044	2.7	35
21	Fast atom bombardment mass spectrometric evdence for the formation of tris{tetrachloroaluminate(III)}metallate(II) anions, [M(AlCl4)3]− in acidic ambient-temperature ionic liquids. *Organic Mass Spectrometry*, **1992**, 27, 648-649		20
20	An Electrochemical Study of the Ruthenium(III) and -(IV) Hexachlorometallates in a Basic Room Temperature Chloroaluminate Molten Salt. *Journal of the Electrochemical Society*, **1991**, 138, 2590-2594	3.9	7
19	Upon the hydrogen-bonding ability of the H4 and H5 protons of the imidazolium cation. *Structural Chemistry*, **1990**, 1, 391-394	1.8	47
18	The structure of halogenometallate complexes dissolved in both basic and acidic room-temperature halogenoaluminate(III) ionic liquids, as determined by EXAFS. *Journal of the Chemical Society Chemical Communications*, **1990**, 315		46
17	Upon the existence of [Al3Cl10]− in room temperature chloroaluminate ionic liquids. *Organic Mass Spectrometry*, **1989**, 24, 917-918		19
16	The removal of oxide impurities from room temperature halogenoaluminate ionic liquids. *Journal of the Chemical Society Chemical Communications*, **1987**, 1643		6
15	Industrial Applications of Ionic Liquids663-687		7
14	Physicochemical Properties57-174		9
13	Organic Synthesis265-568		4

12	Synthesis and Purification7-55	9
11	Polymer Synthesis in Ionic Liquids619-640	2
10	Inorganic Synthesis569-617	1
9	Biocatalytic Reactions in Ionic Liquids641-661	2
8	Molecular Structure and Dynamics175-264	1
7	Organic Synthesis174-288	2
6	Physicochemical Properties of Ionic Liquids41-126	15
5	Molecular Structure and Dynamics127-173	
4	Inorganic Synthesis289-318	1
3	Polymer Synthesis in Ionic Liquids319-335	3
2	Biocatalytic Reactions in Ionic Liquids336-347	1
1	Synthesis and Purification of Ionic Liquids7-40	9