

# Andrew Abbott

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

216  
papers

21,361  
citations

58  
h-index

145  
g-index

239  
ext. papers

24,924  
ext. citations

6.1  
avg, IF

7.14  
L-index

#	Paper	IF	Citations
216	Chemical Dissolution of Chalcopyrite Concentrate in Choline Chloride Ethylene Glycol Deep Eutectic Solvent. <i>Minerals (Basel, Switzerland)</i> , <b>2022</b> , 12, 65	2.4	2
215	Debondable adhesives and their use in recycling. <i>Green Chemistry</i> , <b>2022</b> , 24, 36-61	10	4
214	Catalytic dissolution of metals from printed circuit boards using a calcium chlorideBased deep eutectic solvent. <i>Green Chemistry</i> , <b>2022</b> , 24, 3023-3034	10	1
213	Bio-based Materials Using Deep Eutectic Solvent Modifiers <b>2022</b> , 133-149		
212	Influence of the Alkali-promoted phase transformation in monazite for selective recovery of rare-oxides using deep eutectic solvents. <i>Minerals Engineering</i> , <b>2022</b> , 182, 107564	4.9	0
211	Calcium chloride-based systems for metal electrodeposition. <i>Electrochimica Acta</i> , <b>2021</b> , 402, 139560	6.7	2
210	Controlled release of pharmaceutical agents using eutectic modified gelatin. <i>Drug Delivery and Translational Research</i> , <b>2021</b> , 1	6.2	5
209	Na NMR T relaxation measurements as a probe for diffusion and dynamics of sodium ions in salt-glycerol mixtures. <i>Journal of Chemical Physics</i> , <b>2021</b> , 154, 224501	3.9	1
208	Deep eutectic solventsTeaching nature lessons that it knew already. <i>Advances in Botanical Research</i> , <b>2021</b> , 97, 1-16	2.2	4
207	Deep eutectic solvents: alternative reaction media for organic oxidation reactions. <i>Reaction Chemistry and Engineering</i> , <b>2021</b> , 6, 582-598	4.9	16
206	Lithium ion battery recycling using high-intensity ultrasonication. <i>Green Chemistry</i> , <b>2021</b> , 23, 4710-4715	10	13
205	Amidine-based ionic liquid analogues with AlCl <sub>3</sub> : a credible new electrolyte for rechargeable Al batteries. <i>Chemical Communications</i> , <b>2021</b> , 57, 9834-9837	5.8	1
204	Effect of solute polarity on extraction efficiency using deep eutectic solvents. <i>Green Chemistry</i> , <b>2021</b> , 23, 5097-5105	10	14
203	A Unified Method for the Recovery of Metals from Chalcogenides. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 2929-2936	8.3	1
202	Corrosion of iron, nickel and aluminium in deep eutectic solvents. <i>Electrochimica Acta</i> , <b>2021</b> , 397, 139284.7	4.7	3
201	To shred or not to shred: A comparative techno-economic assessment of lithium ion battery hydrometallurgical recycling retaining value and improving circularity in LIB supply chains. <i>Resources, Conservation and Recycling</i> , <b>2021</b> , 175, 105741	11.9	13
200	Electrochemical oxidation as alternative for dissolution of metal oxides in deep eutectic solvents. <i>Green Chemistry</i> , <b>2020</b> , 22, 8360-8368	10	16

199	Iron(III) chloride and acetamide eutectic for the electrodeposition of iron and iron based alloys. <i>Electrochimica Acta</i> , <b>2020</b> , 351, 136414	6.7	8
198	Mechanism of selective gold extraction from multi-metal chloride solutions by electrodeposition-redox replacement. <i>Green Chemistry</i> , <b>2020</b> , 22, 3615-3625	10	14
197	Experimental Visualization of Commercial Lithium Ion Battery Cathodes: Distinguishing Between the Microstructure Components Using Atomic Force Microscopy. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 14622-14631	3.8	4
196	Evidence supporting an emulsion polymerisation mechanism for the formation of polyaniline. <i>Electrochimica Acta</i> , <b>2020</b> , 354, 136737	6.7	11
195	3-D printed polyvinyl alcohol matrix for detection of airborne pathogens in respiratory bacterial infections. <i>Microbiological Research</i> , <b>2020</b> , 241, 126587	5.3	2
194	Gamma-phase Zn-Ni alloy deposition by pulse-electroplating from a modified deep eutectic solution. <i>Surface and Coatings Technology</i> , <b>2020</b> , 403, 126434	4.4	4
193	The importance of design in lithium ion battery recycling a critical review. <i>Green Chemistry</i> , <b>2020</b> , 22, 7585-7603	10	62
192	Mechanical properties of 3-D printed polyvinyl alcohol matrix for detection of respiratory pathogens. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2020</b> , 112, 104066	4.1	2
191	Recovery of yttrium and europium from spent fluorescent lamps using pure levulinic acid and the deep eutectic solvent levulinic acid-choline chloride.. <i>RSC Advances</i> , <b>2020</b> , 10, 28879-28890	3.7	16
190	The effect of pH and hydrogen bond donor on the dissolution of metal oxides in deep eutectic solvents. <i>Green Chemistry</i> , <b>2020</b> , 22, 5476-5486	10	29
189	Investigating the dissolution of iron sulfide and arsenide minerals in deep eutectic solvents. <i>Hydrometallurgy</i> , <b>2020</b> , 198, 105511	4	6
188	Separation of iron(iii), zinc(ii) and lead(ii) from a choline chloride-ethylene glycol deep eutectic solvent by solvent extraction.. <i>RSC Advances</i> , <b>2020</b> , 10, 33161-33170	3.7	12
187	Globular and Fibrous Proteins Modified with Deep Eutectic Solvents: Materials for Drug Delivery. <i>Molecules</i> , <b>2019</b> , 24,	4.8	11
186	Influence of additives on the electrodeposition of zinc from a deep eutectic solvent. <i>Electrochimica Acta</i> , <b>2019</b> , 304, 118-130	6.7	47
185	Nanoscale Clustering of Alcoholic Solutes in Deep Eutectic Solvents Studied by Nuclear Magnetic Resonance and Dynamic Light Scattering. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 15086-15092	8.3	11
184	Solvation of carbohydrates in five choline chloride-based deep eutectic solvents and the implication for cellulose solubility. <i>Green Chemistry</i> , <b>2019</b> , 21, 4673-4682	10	31
183	Potential Dependence of Surfactant Adsorption at the Graphite Electrode/Deep Eutectic Solvent Interface. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 5331-5337	6.4	5
182	Effect of water on the electrodeposition of copper on nickel in deep eutectic solvents. <i>Transactions of the Institute of Metal Finishing</i> , <b>2019</b> , 97, 321-329	1.3	16

181	Chapter 10:Environmentally Sustainable Solvent-based Process Chemistry for Metals in Printed Circuit Boards. <i>Issues in Environmental Science and Technology</i> , <b>2019</b> , 278-312	0.7	1
180	Direct extraction of copper from copper sulfide minerals using deep eutectic solvents. <i>Green Chemistry</i> , <b>2019</b> , 21, 6502-6512	10	32
179	Recycling lithium-ion batteries from electric vehicles. <i>Nature</i> , <b>2019</b> , 575, 75-86	50.4	735
178	Nanostructure of the deep eutectic solvent/platinum electrode interface as a function of potential and water content. <i>Nanoscale Horizons</i> , <b>2019</b> , 4, 158-168	10.8	49
177	Shifting Desulfurization Equilibria in Ionic Liquid/Oil Mixtures. <i>Energy &amp; Fuels</i> , <b>2019</b> , 33, 1106-1113	4.1	6
176	Redox Fusion of metal particles using deep eutectic solvents. <i>Chemical Communications</i> , <b>2018</b> , 54, 3049-3052	3.6	6
175	Brønsted acidity in deep eutectic solvents and ionic liquids. <i>Faraday Discussions</i> , <b>2018</b> , 206, 365-377	3.6	47
174	Electropolishing of nickel and cobalt in deep eutectic solvents. <i>Transactions of the Institute of Metal Finishing</i> , <b>2018</b> , 96, 200-205	1.3	26
173	Electrochemistry: general discussion. <i>Faraday Discussions</i> , <b>2018</b> , 206, 405-426	3.6	8
172	Ionic liquids at interfaces: general discussion. <i>Faraday Discussions</i> , <b>2018</b> , 206, 549-586	3.6	
171	Study of silver electrodeposition in deep eutectic solvents using atomic force microscopy. <i>Transactions of the Institute of Metal Finishing</i> , <b>2018</b> , 96, 297-303	1.3	7
170	Paint casting: A facile method of studying mineral electrochemistry. <i>Electrochemistry Communications</i> , <b>2017</b> , 76, 20-23	5.1	15
169	Bright metal coatings from sustainable electrolytes: the effect of molecular additives on electrodeposition of nickel from a deep eutectic solvent. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 3219-3231	3.6	46
168	Thermoplastic starch/polyethylene blends homogenised using deep eutectic solvents. <i>RSC Advances</i> , <b>2017</b> , 7, 7268-7273	3.7	23
167	Ionic Liquid/Solid Interfaces <b>2017</b> , 321-343		6
166	Why Use Ionic Liquids for Electrodeposition? <b>2017</b> , 1-15		2
165	Impedance Spectroscopy on Electrode   Ionic Liquid Interfaces <b>2017</b> , 373-399		
164	Plating Protocols <b>2017</b> , 469-482		

163	Future Directions and Challenges <b>2017</b> , 483-490		
162	Physical Properties of Ionic Liquids for Electrochemical Applications <b>2017</b> , 55-94		3
161	Electrodeposition of Metals <b>2017</b> , 95-155		1
160	Conducting Polymers <b>2017</b> , 211-252		1
159	Nanostructured Materials <b>2017</b> , 253-320		
158	Technical Aspects <b>2017</b> , 401-468		1
157	Synthesis of Ionic Liquids <b>2017</b> , 17-53		2
156	Electrodeposition of Alloys <b>2017</b> , 157-186		2
155	Electrodeposition of Semiconductors from Ionic Liquids <b>2017</b> , 187-210		1
154	Plasma Electrochemistry with Ionic Liquids <b>2017</b> , 345-371		
153	In-situ activation of self-supported 3D hierarchically porous Ni <sub>3</sub> S <sub>2</sub> films grown on nanoporous copper as excellent pH-universal electrocatalysts for hydrogen evolution reaction. <i>Nano Energy</i> , <b>2017</b> , 36, 85-94	17.1	159
152	Thermodynamics of phase transfer for polar molecules from alkanes to deep eutectic solvents. <i>Fluid Phase Equilibria</i> , <b>2017</b> , 448, 99-104	2.5	42
151	Liquid pharmaceuticals formulation by eutectic formation. <i>Fluid Phase Equilibria</i> , <b>2017</b> , 448, 2-8	2.5	64
150	Dissolution of pyrite and other FeS <sub>2</sub> minerals using deep eutectic solvents. <i>Green Chemistry</i> , <b>2017</b> , 19, 2225-2233	10	29
149	Lubrication studies of some type III deep eutectic solvents (DESS) <b>2017</b> ,		7
148	Phase behaviour and thermodynamics: general discussion. <i>Faraday Discussions</i> , <b>2017</b> , 206, 113-139	3.6	4
147	The application of deep eutectic solvent ionic liquids for environmentally-friendly dissolution and recovery of precious metals. <i>Minerals Engineering</i> , <b>2016</b> , 87, 18-24	4.9	94
146	Do group 1 metal salts form deep eutectic solvents?. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 25528-25537	3.9	39

145	Facile fabrication of nickel nanostructures on a copper-based template via a galvanic replacement reaction in a deep eutectic solvent. <i>Electrochemistry Communications</i> , <b>2016</b> , 70, 60-64	5.1	34
144	Efficient continuous synthesis of high purity deep eutectic solvents by twin screw extrusion. <i>Chemical Communications</i> , <b>2016</b> , 52, 4215-8	5.8	76
143	Electrodeposition of copper in alloys using deep eutectic solvents. <i>Transactions of the Institute of Metal Finishing</i> , <b>2016</b> , 94, 104-113	1.3	40
142	A Comparative Study of Nickel Electrodeposition Using Deep Eutectic Solvents and Aqueous Solutions. <i>Electrochimica Acta</i> , <b>2015</b> , 176, 718-726	6.7	106
141	Processing of Leather Using Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2015</b> , 3, 1241-1247	8.3	26
140	Electrocatalytic recovery of elements from complex mixtures using deep eutectic solvents. <i>Green Chemistry</i> , <b>2015</b> , 17, 2172-2179	10	51
139	What Is an Ionic Liquid? <b>2015</b> , 1-12		2
138	Molecular and ionic diffusion in aqueous - deep eutectic solvent mixtures: probing inter-molecular interactions using PFG NMR. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 15297-15304	3.6	158
137	Electrochemical fabrication of nanoporous copper films in choline chloride-urea deep eutectic solvent. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 14702-9	3.6	33
136	Anodic dissolution of metals in ionic liquids. <i>Progress in Natural Science: Materials International</i> , <b>2015</b> , 25, 595-602	3.6	77
135	Aluminium electrodeposition under ambient conditions. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 14675-81	3.6	108
134	Speciation, physical and electrolytic properties of eutectic mixtures based on CrCl <sub>3</sub> /H <sub>2</sub> O and urea. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 9047-55	3.6	91
133	Glycol based plasticisers for salt modified starch. <i>RSC Advances</i> , <b>2014</b> , 4, 40421-40427	3.7	22
132	Deep eutectic solvents (DESs) and their applications. <i>Chemical Reviews</i> , <b>2014</b> , 114, 11060-82	68.1	2938
131	Evaluating water miscible deep eutectic solvents (DESs) and ionic liquids as potential lubricants. <i>Green Chemistry</i> , <b>2014</b> , 16, 4156-4161	10	105
130	EXAFS study into the speciation of metal salts dissolved in ionic liquids and deep eutectic solvents. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 6280-8	5.1	119
129	Electroplating Using Ionic Liquids. <i>Annual Review of Materials Research</i> , <b>2013</b> , 43, 335-358	12.8	186
128	In situ electrochemical digital holographic microscopy; a study of metal electrodeposition in deep eutectic solvents. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 6653-60	7.8	32

127	Ligand exchange in ionic systems and its effect on silver nucleation and growth. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 17314-23	3.6	25
126	From Test Tube to Turner [The Role of the Chemist in Art. <i>Science Progress</i> , <b>2013</b> , 96, 398-416	1.1	1
125	Starch as a replacement for urea-formaldehyde in medium density fibreboard. <i>Green Chemistry</i> , <b>2012</b> , 14, 3067	10	23
124	The electrodeposition of silver composites using deep eutectic solvents. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 2443-9	3.6	129
123	Salt modified starch: sustainable, recyclable plastics. <i>Green Chemistry</i> , <b>2012</b> , 14, 1302	10	55
122	Nanomagnetic domains of chromium deposited on vertically-aligned carbon nanotubes. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2012</b> , 324, 4170-4174	2.8	14
121	Electrolytic processing of superalloy aerospace castings using choline chloride-based ionic liquids. <i>Transactions of the Institute of Metal Finishing</i> , <b>2012</b> , 90, 9-14	1.3	25
120	Ionic liquids form ideal solutions. <i>Chemical Communications</i> , <b>2011</b> , 47, 11876-8	5.8	45
119	Glycerol eutectics as sustainable solvent systems. <i>Green Chemistry</i> , <b>2011</b> , 13, 82-90	10	539
118	Ionometallurgy: designer redox properties for metal processing. <i>Chemical Communications</i> , <b>2011</b> , 47, 10031-3	5.8	106
117	Processing of metals and metal oxides using ionic liquids. <i>Green Chemistry</i> , <b>2011</b> , 13, 471	10	247
116	Molecular motion and ion diffusion in choline chloride based deep eutectic solvents studied by 1H pulsed field gradient NMR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 21383-91	3.6	289
115	Double layer effects on metal nucleation in deep eutectic solvents. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 10224-31	3.6	113
114	Synthesis of a base-stock for electrical insulating fluid based on palm kernel oil. <i>Industrial Crops and Products</i> , <b>2011</b> , 33, 532-536	5.9	31
113	Do all ionic liquids need organic cations? Characterisation of [AlCl <sub>2</sub> ImAmide] <sup>+</sup> AlCl <sub>4</sub> <sup>-</sup> and comparison with imidazolium based systems. <i>Chemical Communications</i> , <b>2011</b> , 47, 3523-5	5.8	159
112	Non-classical diffusion in ionic liquids. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 10147-54	3.6	71
111	The effect of additives on zinc electrodeposition from deep eutectic solvents. <i>Electrochimica Acta</i> , <b>2011</b> , 56, 5272-5279	6.7	154
110	Effect of side chains on the dielectric properties of alkyl esters derived from palm kernel oil <b>2011</b> ,		16

109	Pilot trials of immersion silver deposition using a choline chloride based ionic liquid. <i>Circuit World</i> , <b>2010</b> , 36, 3-9	0.7	18
108	Metal finishing with ionic liquids: scale-up and pilot plants from IONMET consortium. <i>Transactions of the Institute of Metal Finishing</i> , <b>2010</b> , 88, 285-293	1.3	26
107	Double layer, diluent and anode effects upon the electrodeposition of aluminium from chloroaluminate based ionic liquids. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 1862-72	3.6	79
106	Lubrication of Steel/Steel Contacts by Choline Chloride Ionic Liquids. <i>Tribology Letters</i> , <b>2010</b> , 37, 103-110	0.8	55
105	Electrolytic deposition of Zn coatings from ionic liquids based on choline chloride. <i>Transactions of the Institute of Metal Finishing</i> , <b>2009</b> , 87, 201-207	1.3	76
104	Electrolytic Metal Coatings and Metal Finishing Using Ionic Liquids. <i>ECS Transactions</i> , <b>2009</b> , 16, 47-63	1	17
103	Processing of Electric Arc Furnace Dust using Deep Eutectic Solvents. <i>Australian Journal of Chemistry</i> , <b>2009</b> , 62, 341	1.2	70
102	Time resolved in situ liquid atomic force microscopy and simultaneous acoustic impedance electrochemical quartz crystal microbalance measurements: a study of Zn deposition. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 8466-71	7.8	42
101	On the concept of ionicity in ionic liquids. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 4962-7	3.6	545
100	Controlling phase behaviour on gas expansion of fluid mixtures. <i>Green Chemistry</i> , <b>2009</b> , 11, 1536	10	9
99	Probing the structure of gas expanded liquids using relative permittivity, density and polarity measurements. <i>Green Chemistry</i> , <b>2009</b> , 11, 1530	10	28
98	Electrodeposition of copper composites from deep eutectic solvents based on choline chloride. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 4269-77	3.6	257
97	Metal complexation in ionic liquids. <i>Annual Reports on the Progress of Chemistry Section A</i> , <b>2008</b> , 104, 21		56
96	Electrodeposition of nickel using eutectic based ionic liquids. <i>Transactions of the Institute of Metal Finishing</i> , <b>2008</b> , 86, 234-240	1.3	131
95	Electrofinishing of metals using eutectic based ionic liquids. <i>Transactions of the Institute of Metal Finishing</i> , <b>2008</b> , 86, 196-204	1.3	125
94	Sustained electroless deposition of metallic silver from a choline chloride-based ionic liquid. <i>Surface and Coatings Technology</i> , <b>2008</b> , 202, 2033-2039	4.4	85
93	Electroless deposition of metallic silver from a choline chloride-based ionic liquid: a study using acoustic impedance spectroscopy, SEM and atomic force microscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2007</b> , 9, 3735-43	3.6	97
92	Probing solute clustering in supercritical solutions using solvatochromic parameters. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 8119-25	3.4	10



91	Extraction of glycerol from biodiesel into a eutectic based ionic liquid. <i>Green Chemistry</i> , <b>2007</b> , 9, 868	10	327
90	Eutectic-based ionic liquids with metal-containing anions and cations. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 6495-501	4.8	383
89	Electrodeposition of zinc in alloys from deep eutectic solvents based on choline chloride. <i>Journal of Electroanalytical Chemistry</i> , <b>2007</b> , 599, 288-294	4.1	344
88	Green Organometallic Chemistry <b>2007</b> , 837-864		1
87	Effect of solutes on the viscosity of supercritical solutions. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 8114-8	3.4	8
86	Application of hole theory to define ionic liquids by their transport properties. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 4910-3	3.4	321
85	Electropolishing and Electroplating of Metals Using Ionic Liquids Based on Choline Chloride. <i>ACS Symposium Series</i> , <b>2007</b> , 186-197	0.4	11
84	Voltammetric and impedance studies of the electropolishing of type 316 stainless steel in a choline chloride based ionic liquid. <i>Electrochimica Acta</i> , <b>2006</b> , 51, 4420-4425	6.7	156
83	Design of improved deep eutectic solvents using hole theory. <i>ChemPhysChem</i> , <b>2006</b> , 7, 803-6	3.2	303
82	Processing metal oxides using ionic liquids. <i>Institutions of Mining and Metallurgy Transactions Section C: Mineral Processing and Extractive Metallurgy</i> , <b>2006</b> , 115, 15-18		32
81	Electropolishing of stainless steels in a choline chloride based ionic liquid: an electrochemical study with surface characterisation using SEM and atomic force microscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2006</b> , 8, 4214-21	3.6	137
80	Solubility of Metal Oxides in Deep Eutectic Solvents Based on Choline Chloride. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2006</b> , 51, 1280-1282	2.8	403
79	Cationic functionalisation of cellulose using a choline based ionic liquid analogue. <i>Green Chemistry</i> , <b>2006</b> , 8, 784	10	135
78	Polymer modification using difluoromethane (HFC 32) and carbon dioxide. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2006</b> , 44, 1072-1083	2.6	3
77	Application of ionic liquids to the electrodeposition of metals. <i>Physical Chemistry Chemical Physics</i> , <b>2006</b> , 8, 4265-79	3.6	625
76	Solubility of unsaturated carboxylic acids in supercritical 1,1,1,2-tetrafluoroethane (HFC 134a) and a methodology for the separation of ternary mixtures. <i>Green Chemistry</i> , <b>2005</b> , 7, 210	10	12
75	Hydrogenation in supercritical 1,1,1,2 tetrafluoroethane (HFC 134a). <i>Green Chemistry</i> , <b>2005</b> , 7, 721	10	9
74	Effect of electrolyte concentration on the viscosity and voltammetry of supercritical solutions. <i>Analytical Chemistry</i> , <b>2005</b> , 77, 6702-8	7.8	18

73	O-Acetylation of cellulose and monosaccharides using a zinc based ionic liquid. <i>Green Chemistry</i> , <b>2005</b> , 7, 705	10	188
72	Selective extraction of metals from mixed oxide matrixes using choline-based ionic liquids. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 6497-9	5.1	273
71	Pressure effects on Friedel-Crafts alkylation reactions in supercritical difluoromethane. <i>ChemPhysChem</i> , <b>2005</b> , 6, 466-72	3.2	8
70	Model for the conductivity of ionic liquids based on an infinite dilution of holes. <i>ChemPhysChem</i> , <b>2005</b> , 6, 2502-5	3.2	121
69	Electropolishing of stainless steel in an ionic liquid. <i>Transactions of the Institute of Metal Finishing</i> , <b>2005</b> , 83, 51-53	1.3	86
68	Application of hole theory to the viscosity of ionic and molecular liquids. <i>ChemPhysChem</i> , <b>2004</b> , 5, 1242-6	2	216
67	Ionic liquid analogues formed from hydrated metal salts. <i>Chemistry - A European Journal</i> , <b>2004</b> , 10, 3769-74	4.8	243
66	Polymerisation of methyl methacrylate in supercritical difluoromethane. <i>Green Chemistry</i> , <b>2004</b> , 6, 81	10	5
65	The regiospecific Fischer indole reaction in choline chloride.2ZnCl <sub>2</sub> with product isolation by direct sublimation from the ionic liquid. <i>Chemical Communications</i> , <b>2004</b> , 158-9	5.8	102
64	Equilibrium Reactions in Supercritical Difluoromethane. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 4922-4	9.26	10
63	Deep eutectic solvents formed between choline chloride and carboxylic acids: versatile alternatives to ionic liquids. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 9142-7	16.4	2355
62	Ionic liquids based upon metal halide/substituted quaternary ammonium salt mixtures. <i>Inorganic Chemistry</i> , <b>2004</b> , 43, 3447-52	5.1	253
61	Electrodeposition of Chromium Black from Ionic Liquids. <i>Transactions of the Institute of Metal Finishing</i> , <b>2004</b> , 82, 14-17	1.3	46
60	Electrochemical Studies of Ambient Temperature Ionic Liquids Based on Choline Chloride. <i>ACS Symposium Series</i> , <b>2003</b> , 439-452	0.4	13
59	Hydrogen Bond Interactions in Liquid and Supercritical Hydrofluorocarbons. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 10628-10633	3.4	11
58	Novel solvent properties of choline chloride/urea mixtures. <i>Chemical Communications</i> , <b>2003</b> , 70-1	5.8	2681
57	Electrochemical recognition of analytes using quaternary ammonium binaphthyl salts. <i>Analyst, The</i> , <b>2003</b> , 128, 245-8	5	2
56	Voltammetry in non-aqueous solvents: artefacts arising from slow electrolyte desorption. <i>Journal of Electroanalytical Chemistry</i> , <b>2002</b> , 520, 6-12	4.1	4

55	Solubility of Substituted Aromatic Hydrocarbons in Supercritical Difluoromethane. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2002</b> , 47, 900-905	2.8	22
54	Electrochemical recognition of chiral species using quaternary ammonium binaphthyl salts. <i>Analytical Chemistry</i> , <b>2002</b> , 74, 4002-6	7.8	12
53	Quaternary ammonium zinc- or tin-containing ionic liquids: water insensitive, recyclable catalysts for Diels-Alder reactions. <i>Green Chemistry</i> , <b>2002</b> , 4, 24-26	10	171
52	Novel Ambient Temperature Ionic Liquids for Zinc and Zinc Alloy Electrodeposition. <i>Transactions of the Institute of Metal Finishing</i> , <b>2001</b> , 79, 204-206	1.3	41
51	Preparation of novel, moisture-stable, Lewis-acidic ionic liquids containing quaternary ammonium salts with functional side chains. <i>Chemical Communications</i> , <b>2001</b> , 2010-1	5.8	537
50	Electrodeposition of aluminium and aluminium/platinum alloys from AlCl <sub>3</sub> /benzyltrimethylammonium chloride room temperature ionic liquids. <i>Journal of Applied Electrochemistry</i> , <b>2001</b> , 31, 1345-1350	2.6	75
49	Analysis of dipolarity/polarisability parameter, $\beta$ , for a range of supercritical fluids. <i>Physical Chemistry Chemical Physics</i> , <b>2001</b> , 3, 3722-3726	3.6	12
48	Electrochemical recognition of charged species using quaternary ammonium binaphthyl salts. <i>Analyst, The</i> , <b>2001</b> , 126, 1892-6	5	2
47	Effect of ionic equilibria on redox potentials in supercritical difluoromethane. <i>Physical Chemistry Chemical Physics</i> , <b>2001</b> , 3, 579-582	3.6	14
46	CO <sub>2</sub> /HFC 134a mixtures: alternatives for supercritical fluid extraction. <i>Green Chemistry</i> , <b>2000</b> , 2, 63-66	10	8
45	Synthesis of novel donor-acceptor twins. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , <b>2000</b> , 3356-3361		8
44	Conductivity of (C <sub>4</sub> H <sub>9</sub> ) <sub>4</sub> N BF <sub>4</sub> in Liquid and Supercritical Hydrofluorocarbons. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 9351-9355	3.4	28
43	Electrochemical Reduction of CO <sub>2</sub> in a Mixed Supercritical Fluid. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 775-779	3.4	40
42	Double layer capacitance and conductivity studies of long chain quaternary ammonium electrolytes in supercritical carbon dioxide. <i>Physical Chemistry Chemical Physics</i> , <b>1999</b> , 1, 839-841	3.6	21
41	Solvent Properties of Supercritical CO <sub>2</sub> /HFC134a Mixtures. <i>Journal of Physical Chemistry B</i> , <b>1999</b> , 103, 8790-8793	3.4	16
40	Relative Permittivity Measurements of 1,1,1,2-Tetrafluoroethane (HFC 134a), Pentafluoroethane (HFC 125), and Difluoromethane (HFC 32). <i>Journal of Chemical &amp; Engineering Data</i> , <b>1999</b> , 44, 112-115	2.8	25
39	Solvent Properties of Liquid and Supercritical Hydrofluorocarbons. <i>Journal of Physical Chemistry B</i> , <b>1999</b> , 103, 2504-2509	3.4	36
38	Double Layer Structure in a Supercritical Fluid. <i>Journal of Physical Chemistry B</i> , <b>1999</b> , 103, 6157-6159	3.4	12

37	Novel Room Temperature Molten Salts for Aluminium Electrodeposition. <i>Transactions of the Institute of Metal Finishing</i> , <b>1999</b> , 77, 26-28	1.3	12
36	Electrochemical investigations in liquid and supercritical 1,1,1,2-tetrafluoroethane (HFC 134a) and difluoromethane (HFC 32). <i>Journal of Electroanalytical Chemistry</i> , <b>1998</b> , 457, 1-4	4.1	39
35	Solvent Properties of Liquid and Supercritical 1,1,1,2-Tetrafluoroethane. <i>Journal of Physical Chemistry B</i> , <b>1998</b> , 102, 8574-8578	3.4	31
34	Two versatile new routes to dinuclear molybdenum dithiolene complexes. <i>Chemical Communications</i> , <b>1998</b> , 389-390	5.8	8
33	Double-layer studies in solutions of low relative permittivity. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1997</b> , 93, 3981-3984		6
32	Conductivity of long chain quaternary ammonium electrolytes in cyclohexane. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1997</b> , 93, 577-582		20
31	Oxidation of Molybdenum(0) and Tungsten(0) Carbonyl Complexes with Silver Triflate. <i>Organometallics</i> , <b>1997</b> , 16, 3690-3695	3.8	10
30	Electrochemical investigations in supercritical carbon dioxide. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1996</b> , 92, 3895		46
29	Tetrakis(decyl)ammonium tetraphenylborate: a novel electrolyte for non-polar media. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1996</b> , 92, 1747		21
28	Complexes of Rh(C5Me5) with picolinic acid, pyrones and pyridinones. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1995</b> , 3709		16
27	Quartz crystal microbalance study of the adsorption of ions onto gold from non-aqueous solvents. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1994</b> , 90, 1533		5
26	Novel complexes with new electro-optic properties. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1994</b> , 1935		2
25	Selective Cross-Coupling of 2-Naphthol and 2-Naphthylamine Derivatives. A Facile Synthesis of 2,2,3-Trisubstituted and 2,2,3,4-Tetrasubstituted 1,1'-Binaphthyls. <i>Journal of Organic Chemistry</i> , <b>1994</b> , 59, 2156-2163	4.2	131
24	Electrochemistry in media of low dielectric constant. <i>Chemical Society Reviews</i> , <b>1993</b> , 22, 435	58.5	15
23	Titanium electrodeposition from aromatic solvents. <i>Journal of Electroanalytical Chemistry</i> , <b>1993</b> , 347, 153-164	4.1	12
22	Anisotropic etching of silicon at high pressure. <i>Journal of Electroanalytical Chemistry</i> , <b>1993</b> , 348, 473-479	4.1	8
21	Electron transfer between amphiphilic ferrocenes and electrodes in cationic micellar solution. <i>The Journal of Physical Chemistry</i> , <b>1992</b> , 96, 11091-11095		25
20	Correlations between solvent polarity scales and electron transfer kinetics and an application to micellar media. <i>Journal of Electroanalytical Chemistry</i> , <b>1992</b> , 327, 31-46	4.1	25

19	Potential dependence of the interfacial impedance of p-(100) silicon in KOH. <i>Journal of Electroanalytical Chemistry</i> , <b>1992</b> , 328, 355-360	4.1	12
18	Solvent effects on electron-transfer kinetics: a correlation of rate constants with solvent acidity, basicity, and polarizability parameters. <i>The Journal of Physical Chemistry</i> , <b>1990</b> , 94, 8910-8912		16
17	Conductivity of tetra-alkylammonium salts in polyaromatic solvents. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1990</b> , 86, 1453		68
16	Metal deposition from aromatic solvents. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , <b>1989</b> , 261, 449-453		4
15	Enhanced solvent properties of aromatic hydrocarbon mixtures. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , <b>1988</b> , 256, 477-480		2
14	New solvents for Electroplating. <i>Transactions of the Institute of Metal Finishing</i> , <b>1988</b> , 66, 99-101	1.3	2
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