

# Glenn Hefter

## 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.

204  
papers

7,825  
citations

47  
h-index

81  
g-index

239  
ext. papers

8,405  
ext. citations

4.5  
avg, IF

6.09  
L-index

#	Paper	IF	Citations
204	Densities and Apparent Molar Volumes of Rubidium and Cesium Triflates to High Concentrations in Aqueous Solution at Temperatures from 293.15 to 343.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2022</b> , 67, 123-131	2.8	
203	Isobaric heat capacity measurements on ternary mixtures of natural gas components methane, propane and n-heptane by differential scanning calorimetry at temperatures from 197 K to 422 K and pressures up to 32 MPa. <i>Fuel</i> , <b>2022</b> , 308, 121904	7.1	0
202	Spectroscopic Study of the Behavior of Mo(VI) and W(VI) Polyanions in Sulfuric-Phosphoric Acid Mixtures. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 17565-17578	5.1	2
201	Solubility of Calcium Oxalate Monohydrate in Concentrated Electrolyte Solutions. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2021</b> , 66, 840-847	2.8	0
200	A Volumetric Pitzer Model for Aqueous Solutions of Zinc Sulfate up to Near-Saturation Concentrations at Temperatures from 293.15 to 393.15 K and Pressures up to 10 MPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2021</b> , 66, 58-64	2.8	2
199	Chemical speciation effects on the volumetric properties of aqueous sulfuric acid solutions. <i>Journal of Chemical Thermodynamics</i> , <b>2021</b> , 158, 106408	2.9	2
198	Isobaric heat capacity measurements of natural gas model mixtures (methane + n-heptane) and (propane + n-heptane) by differential scanning calorimetry at temperatures from 313 K to 422 K and pressures up to 31 MPa. <i>Fuel</i> , <b>2021</b> , 296, 120668	7.1	5
197	A Simple 1-1 Electrolyte: Volumetric Properties of Aqueous Solutions of Sulfuric Acid at Elevated Temperatures. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2021</b> , 66, 3219-3225	2.8	
196	Densities and Apparent Molar Volumes of Aqueous Solutions of Zinc Sulfate at Temperatures from 293 to 373 K and 0.1 MPa Pressure. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2021</b> , 66, 38-44	2.8	4
195	Isobaric heat capacities of a methane (1) + propane (2) mixture by differential scanning calorimetry at near-critical and supercritical conditions. <i>Fuel</i> , <b>2021</b> , 289, 119840	7.1	6
194	Densities and Apparent Molar Volumes of Aqueous Solutions of Sodium and Potassium Triflates up to High Concentrations at Temperatures 293.15-343.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2021</b> , 66, 1802-1812	2.8	4
193	Densities and Apparent Molar Volumes of Aqueous Solutions of NaClO <sub>4</sub> , KClO <sub>4</sub> , and KCl at Temperatures from 293 to 343 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2021</b> , 66, 3645-3658	2.8	0
192	A spectroscopic study of solvent effects on the formation of Cu(II)-chloride complexes in aqueous solution. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 6807-6814	3.6	3
191	Molar Volumes and Heat Capacities of Aqueous Solutions of Mg(ClO <sub>4</sub> ) <sub>2</sub> . <i>Journal of Chemical &amp; Engineering Data</i> , <b>2020</b> , 65, 3735-3743	2.8	3
190	Dielectric relaxation spectroscopy: an old-but-new technique for the investigation of electrolyte solutions. <i>Pure and Applied Chemistry</i> , <b>2020</b> , 92, 1595-1609	2.1	7
189	Volumes and Heat Capacities of Cobalt(II), Nickel(II), and Copper(II) Sulfates in Aqueous Solution. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2020</b> , 65, 4575-4581	2.8	3
188	Remarks on the Evaluation of Thermodynamic Data for Sulfate Ion Protonation. <i>Journal of Solution Chemistry</i> , <b>2019</b> , 48, 1657-1670	1.8	4

187	Enthalpies of Solution of C-Alkylresorcin[4]arenes in Water and Acetonitrile: Hydrophilic and Hydrophobic Effects. <i>Journal of Physical Chemistry B</i> , <b>2019</b> , 123, 3763-3768	3.4	0
186	Nature of Monomeric Molybdenum(VI) Cations in Acid Solutions Using Theoretical Calculations and Raman Spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2019</b> , 123, 3304-3311	3.4	5
185	Systematic Variations of Ion Hydration in Aqueous Alkali Metal Fluoride Solutions. <i>Journal of Physical Chemistry B</i> , <b>2019</b> , 123, 10868-10876	3.4	6
184	Cation Hydration and Ion Pairing in Aqueous Solutions of MgCl and CaCl. <i>Journal of Physical Chemistry B</i> , <b>2019</b> , 123, 891-900	3.4	34
183	Hydration and ion association of La and Eu salts in aqueous solution. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 8812-8821	3.6	14
182	Heat Capacities of Aqueous Solutions of K <sub>4</sub> Fe(CN) <sub>6</sub> , K <sub>3</sub> Fe(CN) <sub>6</sub> , K <sub>3</sub> Co(CN) <sub>6</sub> , K <sub>2</sub> Ni(CN) <sub>4</sub> , and KAg(CN) <sub>2</sub> at 298.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2018</b> , 63, 1773-1779	2.8	3
181	Solubility of Sodium Oxalate in Concentrated Electrolyte Solutions. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2018</b> , 63, 542-552	2.8	6
180	Thermodynamic evidence for nano-heterogeneity in solutions of the macrocycle C-butylresorcin[4]arene in non-aqueous solvents. <i>Journal of Chemical Thermodynamics</i> , <b>2018</b> , 125, 250-256	2.9	3
179	Predicting Cyanide Consumption in Gold Leaching: A Kinetic and Thermodynamic Modeling Approach. <i>Minerals (Basel, Switzerland)</i> , <b>2018</b> , 8, 110	2.4	15
178	A simple gravimetric method for the determination of perchlorate. <i>Monatshefte für Chemie</i> , <b>2018</b> , 149, 323-326	1.4	2
177	Densities and Apparent Molar Volumes of Aqueous Solutions of K <sub>4</sub> Fe(CN) <sub>6</sub> , K <sub>3</sub> Fe(CN) <sub>6</sub> , K <sub>3</sub> Co(CN) <sub>6</sub> , K <sub>2</sub> Ni(CN) <sub>4</sub> , and KAg(CN) <sub>2</sub> at 293 to 343 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2018</b> , 63, 3860-3873	2.8	0
176	Molar Volumes and Heat Capacities of Aqueous Solutions of Potassium Hydroxide and for Water Ionization up to 573 K at 10 MPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2017</b> , 62, 2959-2972	2.8	5
175	Apparent molar volumes of aqueous solutions of sodium acetate and sodium benzoate at temperatures from 323 K to 573 K and pressure 10 MPa. <i>Journal of Chemical Thermodynamics</i> , <b>2017</b> , 109, 100-108	2.9	1
174	Densities and Molar Volumes of Aqueous Solutions of Li <sub>2</sub> SO <sub>4</sub> at Temperatures from 343 to 573 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2017</b> , 62, 3593-3602	2.8	1
173	Densities and Apparent Molar Volumes of Aqueous Solutions of Li <sub>2</sub> SO <sub>4</sub> and LiCF <sub>3</sub> SO <sub>3</sub> at Temperatures from 293 to 343 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2016</b> , 61, 3618-3626	2.8	13
172	Apparent Molar Heat Capacities of n-Alcohols (C <sub>2</sub> to C <sub>4</sub> ) and Symmetric Tetraalkylammonium Bromides (C <sub>2</sub> to C <sub>5</sub> ) in Water/N,N-Dimethylformamide Mixtures: Methylene Group Contribution and Hydrophobic Hydration. <i>Journal of Solution Chemistry</i> , <b>2016</b> , 45, 1303-1312	1.8	
171	Heat Capacities of Aqueous Solutions of Lithium Sulfate, Lithium Perchlorate, and Lithium Trifluoromethanesulfonate at 298.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2016</b> , 61, 2149-2154	2.8	6
170	Densities and Molar Volumes of Aqueous Solutions of LiClO <sub>4</sub> at Temperatures from 293 K to 343 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2016</b> , 61, 1388-1394	2.8	15

169	Thermodynamic Parameters Including Acid Dissociation Constants for Bromochlorophenols (BCPs). <i>Journal of Chemical &amp; Engineering Data</i> , <b>2016</b> , 61, 160-172	2.8	2
168	Investigation of complexation and solubility equilibria in the copper(I)/cyanide system at 25 °C. <i>Hydrometallurgy</i> , <b>2016</b> , 164, 202-207	4	8
167	A critical review of the thermodynamics of hydrogen cyanide and copper(I) cyanide complexes in aqueous solution. <i>Hydrometallurgy</i> , <b>2015</b> , 154, 78-87	4	21
166	Ion hydration and association in aqueous potassium phosphate solutions. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 5270-81	3-4	55
165	Formation constants of copper(I) complexes with cysteine, penicillamine and glutathione: implications for copper speciation in the human eye. <i>Dalton Transactions</i> , <b>2015</b> , 44, 20413-25	4-3	22
164	Aqueous electrolyte solution modelling: Some limitations of the Pitzer equations. <i>Applied Geochemistry</i> , <b>2015</b> , 55, 170-183	3-5	39
163	Ultra-Broadband Dielectric and Optical Kerr-Effect Study of the Ionic Liquids Ethyl and Propylammonium Nitrate. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 8826-41	3-4	41
162	Enthalpies of dissolution of long chain-length alkyltrimethylammonium bromide salts in water at temperatures from 278.15 to 308.15 K. <i>Journal of Chemical Thermodynamics</i> , <b>2015</b> , 81, 109-115	2-9	1
161	Chemical Speciation of Environmentally Significant Metals: An IUPAC contribution to reliable and rigorous computer modelling. <i>Chemistry International</i> , <b>2015</b> , 37,	1.6	10
160	A Potentiometric Study of the Association of Copper(II) and Sulfate Ions in Aqueous Solution at 25 °C. <i>Journal of Solution Chemistry</i> , <b>2014</b> , 43, 885-892	1.8	3
159	Isopiestic Measurements on Aqueous Solutions of Heavy Metal Sulfates: MSO <sub>4</sub> + H <sub>2</sub> O (M = Mn, Co, Ni, Cu, Zn). 1. T = 323.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2014</b> , 59, 97-102	2.8	21
158	Solubility of CuO(s) in highly alkaline solutions. <i>Hydrometallurgy</i> , <b>2014</b> , 147-148, 68-72	4	14
157	Chemical speciation in concentrated aqueous solutions of CuCl <sub>2</sub> using thin-film UV-visible spectroscopy combined with DFT calculations. <i>Journal of Molecular Liquids</i> , <b>2014</b> , 198, 200-203	6	15
156	Solvation and association of 3:1 electrolytes in N,N-dimethylformamide. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 14468-76	3-4	1
155	Hydrophilic and hydrophobic hydration of sodium propanoate and sodium butanoate in aqueous solution. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 2142-52	3-4	26
154	Volatile Products from the Degradation of Organics in a Synthetic Bayer Liquor. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 3613-3617	3-9	7
153	Chemical speciation of environmentally significant metals with inorganic ligands. Part 5: The Zn <sup>2+</sup> + OH <sup>-</sup> , Cl <sup>-</sup> , CO <sub>3</sub> <sup>2-</sup> , SO <sub>4</sub> <sup>2-</sup> , and PO <sub>4</sub> <sup>3-</sup> systems (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , <b>2013</b> , 85, 2249-2311	2.1	56
152	Some highs and lows (and in-betweens) of solubility measurements of solid electrolytes. <i>Pure and Applied Chemistry</i> , <b>2013</b> , 85, 2077-2087	2.1	11

151	Hydration of formate and acetate ions by dielectric relaxation spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 314-23	3.4	62
150	Structure and dynamics in protic ionic liquids: a combined optical Kerr-effect and dielectric relaxation spectroscopy study. <i>Faraday Discussions</i> , <b>2012</b> , 154, 145-53; discussion 189-220, 465-71	3.6	52
149	Dissolution of Cr <sub>2</sub> O <sub>3</sub> (s) and the Behavior of Chromium in Concentrated NaOH Solutions. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 16537-16543	3.9	11
148	Structure and dynamics of 1-N-alkyl-3-N-methylimidazolium tetrafluoroborate + acetonitrile mixtures. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 7509-21	3.4	60
147	Synthesis and Physical Properties of Choline Carboxylate Ionic Liquids. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2012</b> , 57, 2191-2196	2.8	96
146	Thermodynamics of impurities in hydrometallurgical processes. <i>Pure and Applied Chemistry</i> , <b>2011</b> , 83, 1075-1084	2.1	7
145	Molar Volumes and Heat Capacities of Aqueous Solutions of Short-Chain Aliphatic Sodium Carboxylates at 25 °C. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 5081-5087	2.8	10
144	A Generic and Updatable Pitzer Characterization of Aqueous Binary Electrolyte Solutions at 1 bar and 25 °C. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 5066-5077	2.8	33
143	Association of ionic liquids in solution: a combined dielectric and conductivity study of [bmim][Cl] in water and in acetonitrile. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 17588-98	3.6	76
142	Development of a novel mathematical model using a group contribution method for prediction of ionic liquid toxicities. <i>Chemosphere</i> , <b>2011</b> , 85, 990-4	8.4	54
141	Dielectric relaxation study of the ion solvation and association of NaCF <sub>3</sub> SO <sub>3</sub> , Mg(CF <sub>3</sub> SO <sub>3</sub> ) <sub>2</sub> , and Ba(ClO <sub>4</sub> ) <sub>2</sub> in N,N-dimethylformamide. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 2234-42	3.4	13
140	Synthesis and anti-microbial activity of hydroxylammonium ionic liquids. <i>Chemosphere</i> , <b>2011</b> , 84, 101-4	8.4	43
139	Synthesis, Characterization, Physical Properties, and Cytotoxicities of 1-(6-Hydroxyhexyl)-3-alkylimidazolium Chloride Ionic Liquids. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 4188-4193	2.8	21
138	Rattling the cage: Micro- to mesoscopic structure in liquids as simple as argon and as complicated as water. <i>Journal of Molecular Liquids</i> , <b>2011</b> , 159, 2-8	6	32
137	Chemical speciation of environmentally significant metals with inorganic ligands. Part 4: The Cd <sup>2+</sup> + OH <sup>-</sup> /Cl <sup>-</sup> /CO <sub>3</sub> <sup>2-</sup> /SO <sub>4</sub> <sup>2-</sup> and PO <sub>4</sub> <sup>3-</sup> systems (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , <b>2011</b> , 83, 1163-1214	2.1	62
136	Densities of Concentrated Alkaline Aluminate Solutions at Temperatures from (323 to 573) K and 10 MPa Pressure. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 1173-1178	2.8	8
135	Isobaric Heat Capacities of the Ionic Liquids [C <sub>n</sub> mim][Tf <sub>2</sub> N] (n = 6, 8) from (323 to 573) K at 10 MPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 1808-1813	2.8	16
134	Are nanoscale ion aggregates present in aqueous solutions of guanidinium salts?. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 13617-27	3.4	43

133	Heat capacities of aqueous sodium hydroxide/aluminate mixtures and prediction of the solubility constant of boehmite up to 300 °C. <i>Geochimica Et Cosmochimica Acta</i> , <b>2010</b> , 74, 2368-2379	5.5	16
132	JESS, a Joint Expert Speciation System-IV: a large database of aqueous solution physicochemical properties with an automatic means of achieving thermodynamic consistency. <i>Talanta</i> , <b>2010</b> , 81, 142-8	6.2	46
131	Relative Permittivity of Dimethylsulfoxide and N,N-Dimethylformamide at Temperatures from (278 to 328) K and Pressures from (0.1 to 5) MPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 2055-2065	2.8	22
130	Chemical Speciation in Ionic Liquids and their Mixtures with Polar Solvents Using Dielectric Spectroscopy. <i>ACS Symposium Series</i> , <b>2010</b> , 61-74	0.4	2
129	How ideal are binary mixtures of room-temperature ionic liquids?. <i>Journal of Molecular Liquids</i> , <b>2010</b> , 153, 46-51	6	102
128	Chemical speciation of environmentally significant metals with inorganic ligands. Part 3: The Pb <sup>2+</sup> + OH <sup>-</sup> , CO <sub>3</sub> <sup>2-</sup> , SO <sub>4</sub> <sup>2-</sup> and PO <sub>4</sub> <sup>3-</sup> systems (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , <b>2009</b> , 81, 2425-2476	2.1	108
127	Temperature dependence of the dielectric properties and dynamics of ionic liquids. <i>ChemPhysChem</i> , <b>2009</b> , 10, 723-33	3.2	175
126	Interactions and dynamics in electrolyte solutions by dielectric spectroscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 8984-99	3.6	219
125	Solubility and related properties in hydrometallurgy. <i>Pure and Applied Chemistry</i> , <b>2009</b> , 81, 1537-1545	2.1	4
124	Dynamics of imidazolium ionic liquids from a combined dielectric relaxation and optical Kerr effect study: evidence for mesoscopic aggregation. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 11140-6	16.4	232
123	Dipole correlations in the ionic liquid 1-N-ethyl-3-N-methylimidazolium ethylsulfate and its binary mixtures with dichloromethane. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 9527-37	3.4	60
122	Quantitative analysis in alkaline solutions by Raman spectroscopy. <i>Analytical Methods</i> , <b>2009</b> , 1, 132-138	3.2	12
121	From ionic liquid to electrolyte solution: dynamics of 1-N-butyl-3-N-methylimidazolium tetrafluoroborate/dichloromethane mixtures. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 12913-9	3.4	87
120	Molar volumes and heat capacities of electrolytes and ions in N,N-dimethylformamide. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 12366-73	3.4	13
119	Heat capacities of aqueous solutions of sodium hydroxide and water ionization up to 300 °C at 10 MPa. <i>Geochimica Et Cosmochimica Acta</i> , <b>2008</b> , 72, 3124-3138	5.5	18
118	Scandium sulfate complexation in aqueous solution by dielectric relaxation spectroscopy. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 8619-28	5.1	13
117	Glasslike behavior in aqueous electrolyte solutions. <i>Journal of Chemical Physics</i> , <b>2008</b> , 128, 161102	3.9	81
116	Interactions and dynamics in ionic liquids. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 4854-8	3.4	148



115	Dielectric spectroscopy of hydrogen bond dynamics and microheterogeneity of water + dioxane mixtures. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 5946-55	3.4	38
114	Ion association and hydration in aqueous solutions of LiCl and Li <sub>2</sub> SO <sub>4</sub> by dielectric spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 9010-7	3.4	109
113	Zdanovskii Rule and Isopiestic Measurements Applied to Synthetic Bayer Liquors. <i>Journal of Solution Chemistry</i> , <b>2007</b> , 36, 1619-1634	1.8	11
112	Chemical speciation of environmentally significant metals with inorganic ligands Part 2: The Cu <sup>2+</sup> -OH <sup>-</sup> , Cl <sup>-</sup> , CO <sub>3</sub> <sup>2-</sup> , SO <sub>4</sub> <sup>2-</sup> , and PO <sub>4</sub> <sup>3-</sup> systems (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , <b>2007</b> , 79, 895-950	2.1	138
111	Ion association and hydration in 3:2 electrolyte solutions by dielectric spectroscopy: Aluminum sulfate. <i>Geochimica Et Cosmochimica Acta</i> , <b>2007</b> , 71, 5287-5300	5.5	30
110	High Frequency Dielectric Response of the Ionic Liquid N-Methyl-N-ethylpyrrolidinium Dicyanamide. <i>Australian Journal of Chemistry</i> , <b>2007</b> , 60, 6	1.2	25
109	Densities of NaOH(aq) at Temperatures from (323 to 573) K and 10 MPa Pressure. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2007</b> , 52, 2237-2244	2.8	9
108	Chapter 15: Solubility of Solids in Bayer Liquors <b>2007</b> , 236-248		3
107	Temperature effects on ion association and hydration in MgSO <sub>4</sub> by dielectric spectroscopy. <i>ChemPhysChem</i> , <b>2006</b> , 7, 2319-30	3.2	48
106	Comment on "Dynamic ion association in aqueous solutions of sulfate" [J. Chem. Phys. 123, 034508 (2005)]. <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 247101; author reply 247102	3.9	5
105	When spectroscopy fails: The measurement of ion pairing. <i>Pure and Applied Chemistry</i> , <b>2006</b> , 78, 1571-1586		79
104	Quantitative determination of an aluminate dimer in concentrated alkaline aluminate solutions by Raman spectroscopy. <i>Dalton Transactions</i> , <b>2006</b> , 368-75	4.3	33
103	Broadband dielectric response of the ionic liquid N-methyl-N-ethylpyrrolidinium dicyanamide. <i>Chemical Communications</i> , <b>2006</b> , 1748-50	5.8	75
102	Ion association and hydration in aqueous solutions of copper(II) sulfate from 5 to 65 degrees C by dielectric spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 14961-70	3.4	40
101	IUPAC-NIST Solubility Data Series. 81. Hydrocarbons with Water and Seawater Revised and Updated Part 12. C5026 Hydrocarbons with Seawater. <i>Journal of Physical and Chemical Reference Data</i> , <b>2006</b> , 35, 785-838	4.3	14
100	Chemical speciation in concentrated alkaline aluminate solutions in sodium, potassium and caesium media. Interpretation of the unusual variations of the observed hydroxide activity. <i>Dalton Transactions</i> , <b>2006</b> , 1858-66	4.3	23
99	Densities, Ultrasonic Velocities, Viscosities, and Electrical Conductivities of Aqueous Solutions of Mg(OAc) <sub>2</sub> and Mg(NO <sub>3</sub> ) <sub>2</sub> . <i>Journal of Chemical &amp; Engineering Data</i> , <b>2006</b> , 51, 1609-1616	2.8	19
98	Effects of nonionic surfactant C12E5 on the cooperative dynamics of water. <i>Langmuir</i> , <b>2006</b> , 22, 924-32	4	59

97	Ion pairing. <i>Chemical Reviews</i> , <b>2006</b> , 106, 4585-621	68.1	799
96	(27)Al NMR and Raman spectroscopic studies of alkaline aluminate solutions with extremely high caustic content - Does the octahedral species Al(OH)(6)(3-) exist in solution?. <i>Talanta</i> , <b>2006</b> , 70, 761-5	6.2	32
95	Hydration of tetraphenylphosphonium and tetraphenylborate ions by dielectric relaxation spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 5147-54	3.4	54
94	Comprehensive Model of Synthetic Bayer Liquors. Part 3. Sodium Aluminate Solutions and the Solubility of Gibbsite and Boehmite. <i>Monatshefte für Chemie</i> , <b>2006</b> , 137, 1139-1149	1.4	23
93	Heat Capacities and Volumes of Aqueous Dicarboxylate Salt Solutions of Relevance to the Bayer Process. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2005</b> , 50, 2019-2025	2.8	16
92	Ultrasonic velocities, densities, viscosities, electrical conductivities, Raman spectra, and molecular dynamics simulations of aqueous solutions of Mg(OAc)2 and Mg(NO3)2: Hofmeister effects and ion pair formation. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 24108-20	3.4	56
91	Comprehensive Model of Synthetic Bayer Liquors. Part 1. Overview. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2005</b> , 44, 5805-5814	3.9	34
90	Comprehensive Model of Synthetic Bayer Liquors. Part 2. Densities of Alkaline Aluminate Solutions to 90 °C. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2005</b> , 50, 1270-1276	2.8	17
89	Is there an anionic Hofmeister effect on water dynamics? Dielectric spectroscopy of aqueous solutions of NaBr, NaI, NaNO3, NaClO4, and NaSCN. <i>Journal of Physical Chemistry A</i> , <b>2005</b> , 109, 8675-83	2.8	133
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