

# Glenn Hefter

## List of Publications by Citations

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204  
papers

7,825  
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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	Ion pairing. <i>Chemical Reviews</i> , <b>2006</b> , 106, 4585-621	68.1	799
203	Gibbs energies of transfer of cations from water to mixed aqueous organic solvents. <i>Chemical Reviews</i> , <b>2000</b> , 100, 819-52	68.1	276
202	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
201	Complexity in Simple Electrolyte Solutions: Ion Pairing in MgSO <sub>4</sub> (aq). <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 2365-2375	3.4	225
200	Interactions and dynamics in electrolyte solutions by dielectric spectroscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 8984-99	3.6	219
199	Standard partial molar volumes of electrolytes and ions in nonaqueous solvents. <i>Chemical Reviews</i> , <b>2004</b> , 104, 3405-52	68.1	214
198	Temperature dependence of the dielectric properties and dynamics of ionic liquids. <i>ChemPhysChem</i> , <b>2009</b> , 10, 723-33	3.2	175
197	Chemical speciation of environmentally significant heavy metals with inorganic ligands. Part 1: The Hg <sup>2+</sup> , Cd <sup>2+</sup> , Pb <sup>2+</sup> , Cu <sup>2+</sup> , Ni <sup>2+</sup> , Zn <sup>2+</sup> , Mn <sup>2+</sup> , Co <sup>2+</sup> , Ni <sup>2+</sup> , and PO <sub>4</sub> <sup>3-</sup> aqueous systems (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , <b>2005</b> , 77, 739-800	2.1	166
196	Raman spectroscopic investigation of speciation in MgSO <sub>4</sub> (aq). <i>Physical Chemistry Chemical Physics</i> , <b>2003</b> , 5, 5253	3.6	149
195	Interactions and dynamics in ionic liquids. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 4854-8	3.4	148
194	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
193	Is there an anionic Hofmeister effect on water dynamics? Dielectric spectroscopy of aqueous solutions of NaBr, NaI, NaNO <sub>3</sub> , NaClO <sub>4</sub> , and NaSCN. <i>Journal of Physical Chemistry A</i> , <b>2005</b> , 109, 8675-83	2.8	133
192	Ion-Pair and Solvent Relaxation Processes in Aqueous Na <sub>2</sub> SO <sub>4</sub> Solutions. <i>Journal of Physical Chemistry B</i> , <b>1999</b> , 103, 1185-1192	3.4	129
191	Enthalpies and entropies of transfer of electrolytes and ions from water to mixed aqueous organic solvents. <i>Chemical Reviews</i> , <b>2002</b> , 102, 2773-836	68.1	128
190	Complexation of iron(III) and iron(II) by citrate. Implications for iron speciation in blood plasma. <i>Journal of Inorganic Biochemistry</i> , <b>2000</b> , 78, 175-84	4.2	127
189	Dielectric Spectroscopy of Aqueous Solutions of KCl and CsCl. <i>Journal of Physical Chemistry A</i> , <b>2003</b> , 107, 4025-4031	2.8	110
188	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

187	Chemical speciation of environmentally significant metals with inorganic ligands. Part 3: The Pb <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>2009</b> , 81, 2425-2476	2.1	108
186	How ideal are binary mixtures of room-temperature ionic liquids?. <i>Journal of Molecular Liquids</i> , <b>2010</b> , 153, 46-51	6	102
185	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
184	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
183	Dielectric Relaxation of Dilute Aqueous NaOH, NaAl(OH) <sub>4</sub> , and NaB(OH) <sub>4</sub> . <i>Journal of Physical Chemistry B</i> , <b>1999</b> , 103, 11186-11190	3.4	82
182	Glasslike behavior in aqueous electrolyte solutions. <i>Journal of Chemical Physics</i> , <b>2008</b> , 128, 161102	3.9	81
181	When spectroscopy fails: The measurement of ion pairing. <i>Pure and Applied Chemistry</i> , <b>2006</b> , 78, 1571-1586	2.8	79
180	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
179	Broadband dielectric response of the ionic liquid N-methyl-N-ethylpyrrolidinium dicyanamide. <i>Chemical Communications</i> , <b>2006</b> , 1748-50	5.8	75
178	Viscosities and Densities of Highly Concentrated Aqueous MOH Solutions (M <sup>+</sup> = Na <sup>+</sup> , K <sup>+</sup> , Li <sup>+</sup> , Cs <sup>+</sup> , (CH <sub>3</sub> ) <sub>4</sub> N <sup>+</sup> ) at 25.0 °C. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2000</b> , 45, 613-617	2.8	75
177	Carbonate removal from concentrated hydroxide solutions. <i>Analyst, The</i> , <b>2000</b> , 125, 955-958	5	65
176	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
175	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
174	Zinc electrowinning from acidic sulfate solutions: Part I: Effects of sodium lauryl sulfate. <i>Journal of Applied Electrochemistry</i> , <b>1997</b> , 27, 673-678	2.6	62
173	An investigation of the lead(II)-hydroxide system. <i>Inorganic Chemistry</i> , <b>2001</b> , 40, 3974-8	5.1	62
172	On the Pressure and Electric Field Dependencies of the Relative Permittivity of Liquids. <i>Journal of Solution Chemistry</i> , <b>1999</b> , 28, 575-592	1.8	61
171	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
170	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

169	Effects of nonionic surfactant C12E5 on the cooperative dynamics of water. <i>Langmuir</i> , <b>2006</b> , 22, 924-32	4	59
168	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
167	Ultrasonic velocities, densities, viscosities, electrical conductivities, Raman spectra, and molecular dynamics simulations of aqueous solutions of Mg(OAc) <sub>2</sub> and Mg(NO <sub>3</sub> ) <sub>2</sub> : Hofmeister effects and ion pair formation. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 24108-20	3.4	56
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	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
164	A critical review of methods for obtaining ionic volumes in solution. <i>Journal of Solution Chemistry</i> , <b>1997</b> , 26, 249-266	1.8	54
163	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
162	Organic Corrosion Inhibitors in Neutral Solutions; Part 1 Inhibition of Steel, Copper, and Aluminum by Straight Chain Carboxylates. <i>Corrosion</i> , <b>1997</b> , 53, 657-667	1.8	53
161	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
160	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
159	<sup>19</sup> F NMR study of the equilibria and dynamics of the Al <sup>3+</sup> /F <sup>-</sup> system. <i>Inorganic Chemistry</i> , <b>2000</b> , 39, 2530-71	5.1	48
158	Ionic partial molar volumes in non-aqueous solvents. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1994</b> , 90, 1899		47
157	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
156	Ion Association and Hydration in Aqueous Solutions of Nickel(II) and Cobalt(II) Sulfate. <i>Journal of Solution Chemistry</i> , <b>2005</b> , 34, 1045-1066	1.8	44
155	Iron chelators of the pyridoxal isonicotinoyl hydrazone class. III. Formation constants with calcium(II), magnesium(II) and zinc(II). <i>Biology of Metals</i> , <b>1989</b> , 2, 161-7		44
154	Synthesis and anti-microbial activity of hydroxylammonium ionic liquids. <i>Chemosphere</i> , <b>2011</b> , 84, 101-4	8.4	43
153	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
152	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

151	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
150	Aqueous electrolyte solution modelling: Some limitations of the Pitzer equations. <i>Applied Geochemistry</i> , <b>2015</b> , 55, 170-183	3.5	39
149	Hydration and ion pairing in aqueous sodium oxalate solutions. <i>ChemPhysChem</i> , <b>2003</b> , 4, 373-8	3.2	39
148	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
147	Heat Capacities of Concentrated Aqueous Solutions of Sodium Sulfate, Sodium Carbonate, and Sodium Hydroxide at 25 °C. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2002</b> , 47, 590-598	2.8	38
146	A Hydrogen Electrode Study of Concentrated Alkaline Aluminate Solutions. <i>Australian Journal of Chemistry</i> , <b>1998</b> , 51, 445	1.2	38
145	Zinc electrowinning from acidic sulphate solutions Part II: Effects of triethylbenzylammonium chloride. <i>Journal of Applied Electrochemistry</i> , <b>1998</b> , 28, 915-920	2.6	35
144	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
143	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
142	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
141	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
140	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
139	(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
138	Calculation of liquid junction potentials for equilibrium studies. <i>Analytical Chemistry</i> , <b>1982</b> , 54, 2518-2524.8		32
137	Dielectric relaxation of aqueous Na <sub>2</sub> CO <sub>3</sub> solutions. <i>Physical Chemistry Chemical Physics</i> , <b>1999</b> , 1, 1933-1937		31
136	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
135	Cyanide thermodynamics 2. Stability constants of copper(I) cyanide complexes in aqueous acetonitrile mixtures. <i>Talanta</i> , <b>1996</b> , 43, 2045-51	6.2	30
134	Acidity constant of hydrofluoric acid. <i>Journal of Solution Chemistry</i> , <b>1984</b> , 13, 457-470	1.8	30

- 133 Complexation of copper(I) by thioamino acids. Implications for copper speciation in blood plasma. *Journal of Inorganic Biochemistry*, **1997**, 68, 225-31 4.2 29
- 132 Ion solvation in aqueous-organic mixtures. *Pure and Applied Chemistry*, **2005**, 77, 605-617 2.1 28
- 131 Hydrophilic and hydrophobic hydration of sodium propanoate and sodium butanoate in aqueous solution. *Journal of Physical Chemistry B*, **2013**, 117, 2142-52 3.4 26
- 130 The effects of 4-ethylpyridine and 2-cyanopyridine on zinc electrowinning from acidic sulfate solutions. *Journal of Applied Electrochemistry*, **1997**, 27, 738-744 2.6 26
- 129 High Frequency Dielectric Response of the Ionic Liquid N-Methyl-N-ethylpyrrolidinium Dicyanamide. *Australian Journal of Chemistry*, **2007**, 60, 6 1.2 25
- 128 Mononuclear cyano- and hydroxo-complexes of iron(III). *Inorganic Chemistry*, **2003**, 42, 5917-23 5.1 25
- 127 Viscosities and Densities of Concentrated Aqueous NaOH/NaAl(OH)<sub>4</sub> Mixtures at 25 °C. *Journal of Chemical & Engineering Data*, **2001**, 46, 657-661 2.8 24
- 126 Raman, IR, and <sup>27</sup>Al-MAS-NMR Spectroscopic Studies of Sodium (Hydroxy)Aluminates. *Applied Spectroscopy*, **1999**, 53, 415-422 3.1 24
- 125 Chemical speciation in concentrated alkaline aluminate solutions in sodium, potassium and caesium media. Interpretation of the unusual variations of the observed hydroxide activity. *Dalton Transactions*, **2006**, 1858-66 4.3 23
- 124 Comprehensive Model of Synthetic Bayer Liquors. Part 3. Sodium Aluminate Solutions and the Solubility of Gibbsite and Boehmite. *Monatshefte für Chemie*, **2006**, 137, 1139-1149 1.4 23
- 123 Dielectric Relaxation of Concentrated Alkaline Aluminate Solutions. *Journal of Physical Chemistry A*, **2002**, 106, 6527-6532 2.8 23
- 122 Fluoride solvation - the case of the missing ion. *Pure and Applied Chemistry*, **1991**, 63, 1749-1758 2.1 23
- 121 Formation constants of copper(I) complexes with cysteine, penicillamine and glutathione: implications for copper speciation in the human eye. *Dalton Transactions*, **2015**, 44, 20413-25 4.3 22
- 120 Relative Permittivity of Dimethylsulfoxide and N,N-Dimethylformamide at Temperatures from (278 to 328) K and Pressures from (0.1 to 5) MPa. *Journal of Chemical & Engineering Data*, **2010**, 55, 2055-2065 2.8 22
- 119 Chemical Speciation of Hg(II) with Environmental Inorganic Ligands. *Australian Journal of Chemistry*, **2004**, 57, 993 1.2 22
- 118 Effects of hydration on the thermodynamic properties of aqueous ethylene glycol ether solutions. *Journal of Chemical Thermodynamics*, **2005**, 37, 513-522 2.9 22
- 117 Effects of 2-picoline on zinc electrowinning from acidic sulfate electrolyte. *Journal of Applied Electrochemistry*, **1996**, 26, 1245 2.6 22
- 116 A critical review of the thermodynamics of hydrogen cyanide and copper(I) cyanide complexes in aqueous solution. *Hydrometallurgy*, **2015**, 154, 78-87 4 21

115	Isopiestic Measurements on Aqueous Solutions of Heavy Metal Sulfates: $\text{MSO}_4 + \text{H}_2\text{O}$ ( $\text{M} = \text{Mn, Co, Ni, Cu, Zn}$ ). 1. $T = 323.15 \text{ K}$ . <i>Journal of Chemical &amp; Engineering Data</i> , <b>2014</b> , 59, 97-102	2.8	21
114	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
113	Spectroscopic studies of the chemical speciation in concentrated alkaline aluminate solutions. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1998</b> , 3007-3012		21
112	Ion Pairing and Solvent Relaxation Processes in Aqueous Solutions of Sodium Malonate and Sodium Succinate. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 13789-13795	3.4	21
111	Viscosities of concentrated electrolyte solutions. <i>Journal of Molecular Liquids</i> , <b>2003</b> , 103-104, 261-273	6	21
110	Association constants for the $\text{NaSO}_4(\text{aq})^-$ ion pair in concentrated cesium chloride solutions. <i>Talanta</i> , <b>1999</b> , 49, 25-30	6.2	21
109	Ionic partial molar heat capacities in non-aqueous solvents. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1996</b> , 92, 757		21
108	Densities, Ultrasonic Velocities, Viscosities, and Electrical Conductivities of Aqueous Solutions of $\text{Mg}(\text{OAc})_2$ and $\text{Mg}(\text{NO}_3)_2$ . <i>Journal of Chemical &amp; Engineering Data</i> , <b>2006</b> , 51, 1609-1616	2.8	19
107	Raman Spectroscopic Study of Ion Pairing of Alkali Metal Ions with Carbonate and Sulfate in Aqueous Solutions. <i>Australian Journal of Chemistry</i> , <b>2000</b> , 53, 887	1.2	19
106	The solvation of fluoride ions. I. Free energies for transfer from water to aqueous alcohol and acetonitrile mixtures. <i>Journal of Solution Chemistry</i> , <b>1988</b> , 17, 535-546	1.8	19
105	Optimal optical design of thin-film photovoltaic devices. <i>Solar Energy Materials and Solar Cells</i> , <b>1997</b> , 49, 163-169	6.4	18
104	Heat capacities of aqueous solutions of sodium hydroxide and water ionization up to $300 \text{ }^\circ\text{C}$ at 10 MPa. <i>Geochimica Et Cosmochimica Acta</i> , <b>2008</b> , 72, 3124-3138	5.5	18
103	A general method for the determination of copper(I) equilibria in aqueous solution. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1993</b> , 1704		18
102	Apparent molar heat capacities and volumes of electrolytes and ions in butanol-water mixtures. <i>Journal of Solution Chemistry</i> , <b>1989</b> , 18, 229-248	1.8	18
101	Comprehensive Model of Synthetic Bayer Liquors. Part 2. Densities of Alkaline Aluminate Solutions to $90 \text{ }^\circ\text{C}$ . <i>Journal of Chemical &amp; Engineering Data</i> , <b>2005</b> , 50, 1270-1276	2.8	17
100	Apparent molar heat capacities and volumes of electrolytes and ions in acetonitrile-water mixtures. <i>Journal of Solution Chemistry</i> , <b>1990</b> , 19, 207-223	1.8	17
99	Isobaric Heat Capacities of the Ionic Liquids $[\text{C}_n\text{mim}][\text{Tf}_2\text{N}]$ ( $n = 6, 8$ ) 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
98	Heat capacities of aqueous sodium hydroxide/aluminate mixtures and prediction of the solubility constant of boehmite up to $300 \text{ }^\circ\text{C}$ . <i>Geochimica Et Cosmochimica Acta</i> , <b>2010</b> , 74, 2368-2379	5.5	16

97	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
96	Effect of charge on bond strength in hydrogenated amorphous silicon. <i>Journal of Computational Chemistry</i> , <b>1994</b> , 15, 644-652	3.5	16
95	Ion solvation in lithium battery electrolyte solutions. 1. Apparent molar volumes. <i>Journal of Solution Chemistry</i> , <b>1991</b> , 20, 1059-1078	1.8	16
94	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
93	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
92	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
91	Molar Volumes and Heat Capacities of Electrolytes and Ions in Nonaqueous Solvents: 1. Formamide. <i>Journal of Solution Chemistry</i> , <b>1998</b> , 27, 1067-1096	1.8	15
90	Dielectric Spectroscopy of Cesium Fluoride in Methanol. <i>Journal of Solution Chemistry</i> , <b>2002</b> , 31, 521-535	1.8	15
89	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
88	Solubility of CuO(s) in highly alkaline solutions. <i>Hydrometallurgy</i> , <b>2014</b> , 147-148, 68-72	4	14
87	Potentiometric Investigation of the Weak Association of Sodium and Carbonate Ions at 25°C. <i>Journal of Solution Chemistry</i> , <b>1998</b> , 27, 865-877	1.8	14
86	IUPAC-NIST Solubility Data Series. 81. Hydrocarbons with Water and Seawater Revised and Updated Part 12. C <sub>5</sub> -C <sub>26</sub> Hydrocarbons with Seawater. <i>Journal of Physical and Chemical Reference Data</i> , <b>2006</b> , 35, 785-838	4.3	14
85	Conductivities of KF and CsF in methanol at 25°C. <i>Journal of Solution Chemistry</i> , <b>1996</b> , 25, 541-553	1.8	14
84	Mobilities of cation-macrocyclic ligand complexes. <i>Pure and Applied Chemistry</i> , <b>1993</b> , 65, 1533-1540	2.1	14
83	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
82	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
81	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
80	Scandium sulfate complexation in aqueous solution by dielectric relaxation spectroscopy. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 8619-28	5.1	13



79	Improved apparatus and procedures for the measurement of solubility of rapidly equilibrating solid-liquid systems to 90 °C. <i>Review of Scientific Instruments</i> , <b>1999</b> , 70, 1481-1485	1.7	13
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77	Quantitative analysis in alkaline solutions by Raman spectroscopy. <i>Analytical Methods</i> , <b>2009</b> , 1, 132-138	3.2	12
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42	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
41	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
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36	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
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33	Potentiometric and computer studies of yttrium-EDTMP. <i>Inorganica Chimica Acta</i> , <b>1998</b> , 275-276, 37-42	2.7	4
32	The ionic product of water in highly concentrated sodium perchlorate solutions. <i>Talanta</i> , <b>1998</b> , 45, 931-46.2	4	4
31	Cyanide Complexes of zinc(II) and Cadmium(II) in 3 M NaCl Medium. <i>Journal of Coordination Chemistry</i> , <b>1990</b> , 22, 7-19	1.6	4
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16	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
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12	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
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| 7 | 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 | ○ |
| 6 | Densities and Apparent Molar Volumes of Aqueous Solutions of $K_4Fe(CN)_6$ , $K_3Fe(CN)_6$ , $K_3Co(CN)_6$ , $K_2Ni(CN)_4$ , and $KAg(CN)_2$ at 293 to 343 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2018</b> , 63, 3860-3873  | 2.8 | ○ |
| 5 | Densities and Apparent Molar Volumes of Aqueous Solutions of $NaClO_4$ , $KClO_4$ , 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 | ○ |
| 4 | Apparent Molar Heat Capacities of n-Alcohols (C2 to C4) and Symmetric Tetraalkylammonium Bromides (C2 to C5) in Water and N,N-Dimethylformamide Mixtures: Methylene Group Contribution and Hydrophobic Hydration. <i>Journal of Solution Chemistry</i> , <b>2016</b> , 45, 1303-1312 | 1.8 |   |
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| 2 | 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 |   |
| 1 | A Simple 1M 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 |   |