Glenn Hefter

List of Publications by Year
in descending order

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		36203	48187
208	9,111	51	88
papers	citations	h-index	g-index

239	239	239	7259
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ion Pairing. Chemical Reviews, 2006, 106, 4585-4621.	23.0	921
2	Gibbs Energies of Transfer of Cations from Water to Mixed Aqueous Organic Solvents. Chemical Reviews, 2000, 100, 819-852.	23.0	311
3	Interactions and dynamics in electrolyte solutions by dielectric spectroscopy. Physical Chemistry Chemical Physics, 2009, 11, 8984.	1.3	264
4	Complexity in â€œSimpleâ€•Electrolyte Solutions:â€‰ Ion Pairing in MgSO4(aq). Journal of Physical Chemistry B, 2004, 108, 2365-2375.	1.2	258
5	Dynamics of Imidazolium Ionic Liquids from a Combined Dielectric Relaxation and Optical Kerr Effect Study: Evidence for Mesoscopic Aggregation. Journal of the American Chemical Society, 2009, 131, 11140-11146.	6.6	248
6	Standard Partial Molar Volumes of Electrolytes and Ions in Nonaqueous Solvents. Chemical Reviews, 2004, 104, 3405-3452.	23.0	232
7	Chemical speciation of environmentally significant heavy metals with inorganic ligands. Part 1: The Hg2+â€“ Clâ€“, OHâ€“, CO32â€“, SO42â€“, and PO43â€“ aqueous systems (IUPAC Technical Report). Pure and Applied Chemistry, 2005, 77, 739-800.	0.9	212
8	Temperature Dependence of the Dielectric Properties and Dynamics of Ionic Liquids. ChemPhysChem, 2009, 10, 723-733.	1.0	196
9	Raman spectroscopic investigation of speciation in MgSO4(aq). Physical Chemistry Chemical Physics, 2003, 5, 5253.	1.3	164
10	Chemical speciation of environmentally significant metals with inorganic ligands Part 2: The Cu2+-OH-, Cl-, CO32-, SO42-, and PO43- systems (IUPAC Technical Report). Pure and Applied Chemistry, 2007, 79, 895-950.	0.9	161
11	Interactions and Dynamics in Ionic Liquids. Journal of Physical Chemistry B, 2008, 112, 4854-4858.	1.2	158
12	Ion-Pair and Solvent Relaxation Processes in Aqueous Na2SO4 Solutions. Journal of Physical Chemistry B, 1999, 103, 1185-1192.	1.2	156
13	Is There an Anionic Hofmeister Effect on Water Dynamics? Dielectric Spectroscopy of Aqueous Solutions of NaBr, NaI, NaNO3, NaClO4, and NaSCN. Journal of Physical Chemistry A, 2005, 109, 8675-8683.	1.1	155
14	Complexation of iron(III) and iron(II) by citrate. Implications for iron speciation in blood plasma. Journal of Inorganic Biochemistry, 2000, 78, 175-184.	1.5	138
15	Enthalpies and Entropies of Transfer of Electrolytes and Ions from Water to Mixed Aqueous Organic Solvents. Chemical Reviews, 2002, 102, 2773-2836.	23.0	138
16	Chemical speciation of environmentally significant metals with inorganic ligands. Part 3: The Pb2+ + OHâ€“, Clâ€“, CO32â€“, SO42â€“, and PO43â€“ systems (IUPAC Technical Report). Pure and Applied Chemistry, 2009, 81, 2425-2476.	0.9	136
17	Dielectric Spectroscopy of Aqueous Solutions of KCl and CsCl. Journal of Physical Chemistry A, 2003, 107, 4025-4031.	1.1	134
18	Ion Association and Hydration in Aqueous Solutions of LiCl and Li2SO4 by Dielectric Spectroscopy. Journal of Physical Chemistry B, 2007, 111, 9010-9017.	1.2	119

#	Article	IF	Citations
19	How ideal are binary mixtures of room-temperature ionic liquids?. Journal of Molecular Liquids, 2010, 153, 46-51.	2.3	117
20	Synthesis and Physical Properties of Choline Carboxylate Ionic Liquids. Journal of Chemical & Engineering Data, 2012, 57, 2191-2196.	1.0	111
21	Viscosities and Densities of Highly Concentrated Aqueous MOH Solutions (M+ = Na+, K+, Li+, Cs+,) Tj ETQq1 1 0.784314 rgBT /Overlock	1.0	101
22	Glasslike behavior in aqueous electrolyte solutions. Journal of Chemical Physics, 2008, 128, 161102.	1.2	94
23	From Ionic Liquid to Electrolyte Solution: Dynamics of 1-N-Butyl-3-N-methylimidazolium Tetrafluoroborate/Dichloromethane Mixtures. Journal of Physical Chemistry B, 2008, 112, 12913-12919.	1.2	91
24	Dielectric Relaxation of Dilute Aqueous NaOH, NaAl(OH)4, and NaB(OH)4. Journal of Physical Chemistry B, 1999, 103, 11186-11190.	1.2	89
25	When spectroscopy fails: The measurement of ion pairing. Pure and Applied Chemistry, 2006, 78, 1571-1586.	0.9	88
26	Association of ionic liquids in solution: a combined dielectric and conductivity study of [bmim][Cl] in water and in acetonitrile. Physical Chemistry Chemical Physics, 2011, 13, 17588.	1.3	87
27	Chemical speciation of environmentally significant metals with inorganic ligands. Part 4: The Cd2+ + OHâ€“, Clâ€“, CO32â€“, SO42â€“, and PO43â€“ systems (IUPAC Technical Report). Pure and Applied Chemistry, 2011, 83, 1163-1214.	0.9	83
28	Broadband dielectric response of the ionic liquid N-methyl-N-ethylpyrrolidinium dicyanamide. Chemical Communications, 2006, , 1748-1750.	2.2	80
29	Hydration of Formate and Acetate Ions by Dielectric Relaxation Spectroscopy. Journal of Physical Chemistry B, 2012, 116, 314-323.	1.2	77
30	Carbonate removal from concentrated hydroxide solutions. Analyst, The, 2000, 125, 955-958.	1.7	76
31	Ion Hydration and Association in Aqueous Potassium Phosphate Solutions. Journal of Physical Chemistry B, 2015, 119, 5270-5281.	1.2	74
32	An Investigation of the Lead(II)â^'Hydroxide System. Inorganic Chemistry, 2001, 40, 3974-3978.	1.9	72
33	Zinc electrowinning from acidic sulfate solutions: Part I: Effects of sodium lauryl sulfate. Journal of Applied Electrochemistry, 1997, 27, 673-678.	1.5	71
34	Chemical speciation of environmentally significant metals with inorganic ligands. Part 5: The Zn²⁺ + OH⁻, Cl⁻, CO₃ ²⁻, SO₄ ²⁻, and PO₄ ³⁻ systems (IUPAC Technical Report). Pure and Applied Chemistry, 2013, 85, 2249-2311.	0.9	71
35	Organic Corrosion Inhibitors in Neutral Solutions; Part 1 â€" Inhibition of Steel, Copper, and Aluminum by Straight Chain Carboxylates. Corrosion, 1997, 53, 657-667.	0.5	70
36	On the Pressure and Electric Field Dependencies of the Relative Permittivity of Liquids. Journal of Solution Chemistry, 1999, 28, 575-592.	0.6	67

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37	Dipole Correlations in the Ionic Liquid 1-N-Ethyl-3-N-methylimidazolium Ethylsulfate and Its Binary Mixtures with Dichloromethane. Journal of Physical Chemistry B, 2009, 113, 9527-9537.	1.2	64
38	Development of a novel mathematical model using a group contribution method for prediction of ionic liquid toxicities. Chemosphere, 2011, 85, 990-994.	4.2	64
39	Effects of Nonionic Surfactant C12E5 on the Cooperative Dynamics of Water. Langmuir, 2006, 22, 924-932.	1.6	63
40	Ultrasonic Velocities, Densities, Viscosities, Electrical Conductivities, Raman Spectra, and Molecular Dynamics Simulations of Aqueous Solutions of Mg(OAc)2and Mg(NO3)2:Â Hofmeister Effects and Ion Pair Formation. Journal of Physical Chemistry B, 2005, 109, 24108-24120.	1.2	61
41	Structure and Dynamics of 1-N-Alkyl-3-N-Methylimidazolium Tetrafluoroborate + Acetonitrile Mixtures. Journal of Physical Chemistry B, 2012, 116, 7509-7521.	1.2	61
42	Ionic partial molar volumes in non-aqueous solvents. Journal of the Chemical Society, Faraday Transactions, 1994, 90, 1899.	1.7	58
43	A critical review of methods for obtaining ionic volumes in solution. Journal of Solution Chemistry, 1997, 26, 249-266.	0.6	58
44	Hydration of Tetraphenylphosphonium and Tetraphenylborate Ions by Dielectric Relaxation Spectroscopy. Journal of Physical Chemistry B, 2006, 110, 5147-5154.	1.2	57
45	Temperature Effects on Ion Association and Hydration in MgSO4 by Dielectric Spectroscopy. ChemPhysChem, 2006, 7, 2319-2330.	1.0	56
46	JESS, a Joint Expert Speciation System â€“ IV: A large database of aqueous solution physicochemical properties with an automatic means of achieving thermodynamic consistencyâ˜†. Talanta, 2010, 81, 142-148.	2.9	56
47	Structure and dynamics in protic ionic liquids: A combined optical Kerr-effect and dielectric relaxation spectroscopy study. Faraday Discussions, 2012, 154, 145-153.	1.6	56
48	Iron chelators of the pyridoxal isonicotinoyl hydrazone class. Biology of Metals, 1989, 2, 161-167.	1.1	54
49	19F NMR Study of the Equilibria and Dynamics of the Al3+/F- System. Inorganic Chemistry, 2000, 39, 2530-2537.	1.9	53
50	Ion Association and Hydration in Aqueous Solutions of Nickel(II) and Cobalt(II) Sulfate. Journal of Solution Chemistry, 2005, 34, 1045-1066.	0.6	52
51	Aqueous electrolyte solution modelling: Some limitations of the Pitzer equations. Applied Geochemistry, 2015, 55, 170-183.	1.4	52
52	Cation Hydration and Ion Pairing in Aqueous Solutions of MgCl₂ and CaCl₂. Journal of Physical Chemistry B, 2019, 123, 891-900.	1.2	52
53	Are Nanoscale Ion Aggregates Present in Aqueous Solutions of Guanidinium Salts?. Journal of Physical Chemistry B, 2010, 114, 13617-13627.	1.2	50
54	Calculation of liquid junction potentials for equilibrium studies. Analytical Chemistry, 1982, 54, 2518-2524.	3.2	49

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55	Synthesis and anti-microbial activity of hydroxylammonium ionic liquids. Chemosphere, 2011, 84, 101-104.	4.2	49
56	Ion Association and Hydration in Aqueous Solutions of Copper(II) Sulfate from 5 to 65 Â°C by Dielectric Spectroscopy. Journal of Physical Chemistry B, 2006, 110, 14961-14970.	1.2	48
57	Ultra-Broadband Dielectric and Optical Kerr-Effect Study of the Ionic Liquids Ethyl and Propylammonium Nitrate. Journal of Physical Chemistry B, 2015, 119, 8826-8841.	1.2	48
58	Title is missing!. Journal of Applied Electrochemistry, 1998, 28, 915-920.	1.5	44
59	Dielectric Spectroscopy of Hydrogen Bond Dynamics and Microheterogenity of Water + Dioxane Mixtures. Journal of Physical Chemistry B, 2007, 111, 5946-5955.	1.2	44
60	Heat Capacities of Concentrated Aqueous Solutions of Sodium Sulfate, Sodium Carbonate, and Sodium Hydroxide at 25 Â°C. Journal of Chemical & Engineering Data, 2002, 47, 590-598.	1.0	43
61	A Hydrogen Electrode Study of Concentrated Alkaline Aluminate Solutions. Australian Journal of Chemistry, 1998, 51, 445.	0.5	42
62	Hydration and Ion Pairing in Aqueous Sodium Oxalate Solutions. ChemPhysChem, 2003, 4, 373-378.	1.0	41
63	A Generic and Updatable Pitzer Characterization of Aqueous Binary Electrolyte Solutions at 1 bar and 25 Â°C. Journal of Chemical & Engineering Data, 2011, 56, 5066-5077.	1.0	40
64	Comprehensive Model of Synthetic Bayer Liquors. Part 1. Overview. Industrial & Engineering Chemistry Research, 2005, 44, 5805-5814.	1.8	37
65	Quantitative determination of an aluminate dimer in concentrated alkaline aluminate solutions by Raman spectroscopy. Dalton Transactions, 2006, , 368-375.	1.6	37
66	27Al NMR and Raman spectroscopic studies of alkaline aluminate solutions with extremely high caustic content â€“ Does the octahedral species Al(OH)63â^' exist in solution?. Talanta, 2006, 70, 761-765.	2.9	37
67	Rattling the cage: Micro- to mesoscopic structure in liquids as simple as argon and as complicated as water. Journal of Molecular Liquids, 2011, 159, 2-8.	2.3	37
68	Acidity constant of hydrofluoric acid. Journal of Solution Chemistry, 1984, 13, 457-470.	0.6	35
69	Dielectric relaxation of aqueous Na2CO3 solutions. Physical Chemistry Chemical Physics, 1999, 1, 1933-1937.	1.3	35
70	Title is missing!. Journal of Applied Electrochemistry, 1997, 27, 738-744.	1.5	34
71	Mononuclear Cyano- and Hydroxo-Complexes of Iron(III). Inorganic Chemistry, 2003, 42, 5917-5923.	1.9	34
72	Ion association and hydration in 3:2 electrolyte solutions by dielectric spectroscopy: Aluminum sulfate. Geochimica Et Cosmochimica Acta, 2007, 71, 5287-5300.	1.6	32

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73	Cyanide thermodynamics 2. Stability constants of copper(I) cyanide complexes in aqueous acetonitrile mixtures. Talanta, 1996, 43, 2045-2051.	2.9	31
74	Complexation of Copper(I) by Thioamino acids. Implications for copper speciation in blood plasma. Journal of Inorganic Biochemistry, 1997, 68, 225-231.	1.5	31
75	Hydrophilic and Hydrophobic Hydration of Sodium Propanoate and Sodium Butanoate in Aqueous Solution. Journal of Physical Chemistry B, 2013, 117, 2142-2152.	1.2	31
76	Effects of 2-picoline on zinc electrowinning from acidic sulfate electrolyte. Journal of Applied Electrochemistry, 1996, 26, 1245.	1.5	30
77	Raman, IR, and 27Al-MAS-NMR Spectroscopic Studies of Sodium (Hydroxy)Aluminates. Applied Spectroscopy, 1999, 53, 415-422.	1.2	29
78	Ion solvation in aqueousâ€“organic mixtures. Pure and Applied Chemistry, 2005, 77, 605-617.	0.9	28
79	High Frequency Dielectric Response of the Ionic Liquid N-Methyl-N-ethylpyrrolidinium Dicyanamide. Australian Journal of Chemistry, 2007, 60, 6.	0.5	28
80	Fluoride solvation - the case of the missing ion. Pure and Applied Chemistry, 1991, 63, 1749-1758.	0.9	27
81	Viscosities and Densities of Concentrated Aqueous NaOH/NaAl(OH)4Mixtures at 25 Â°C. Journal of Chemical & Engineering Data, 2001, 46, 657-661.	1.0	27
82	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.	1.0	27
83	A critical review of the thermodynamics of hydrogen cyanide and copper(I)â€“cyanide complexes in aqueous solution. Hydrometallurgy, 2015, 154, 78-87.	1.8	26
84	Formation constants of copper(<scp>i</scp>) complexes with cysteine, penicillamine and glutathione: implications for copper speciation in the human eye. Dalton Transactions, 2015, 44, 20413-20425.	1.6	26
85	Chemical Speciation of Hg(II) with Environmental Inorganic Ligands. Australian Journal of Chemistry, 2004, 57, 993.	0.5	25
86	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.	1.6	25
87	Comprehensive Model of Synthetic Bayer Liquors. Part 3. Sodium Aluminate Solutions and the Solubility of Gibbsite and Boehmite. Monatshefte FÃ¼r Chemie, 2006, 137, 1139-1149.	0.9	25
88	Chemical speciation in concentrated aqueous solutions of CuCl2 using thin-film UVâ€“visible spectroscopy combined with DFT calculations. Journal of Molecular Liquids, 2014, 198, 200-203.	2.3	25
89	Isopiestic Measurements on Aqueous Solutions of Heavy Metal Sulfates: MSO₄ + H₂O (M = Mn, Co, Ni, Cu, Zn). 1. T = 323.15 K. Journal of Chemical & Engineering Data, 2014, 59, 97-102.	1.0	25
90	Ionic partial molar heat capacities in non-aqueous solvents. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 757.	1.7	24

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91	Association constants for the NaSO4â˜ ion pair in concentrated cesium chloride solutions. Talanta, 1999, 49, 25-30.	2.9	24
92	Apparent molar heat capacities and volumes of electrolytes and ions int-butanol-water mixtures. Journal of Solution Chemistry, 1989, 18, 229-248.	0.6	23
93	Dielectric Relaxation of Concentrated Alkaline Aluminate Solutions. Journal of Physical Chemistry A, 2002, 106, 6527-6532.	1.1	23
94	Effects of hydration on the thermodynamic properties of aqueous ethylene glycol ether solutions. Journal of Chemical Thermodynamics, 2005, 37, 513-522.	1.0	23
95	Synthesis, Characterization, Physical Properties, and Cytotoxicities of 1-(6-Hydroxyhexyl)-3-alkylimidazolium Chloride Ionic Liquids. Journal of Chemical & Engineering Data, 2011, 56, 4188-4193.	1.0	23
96	Hydration and ion association of La³⁺ and Eu³⁺ salts in aqueous solution. Physical Chemistry Chemical Physics, 2018, 20, 8812-8821.	1.3	23
97	Potentiometric Investigation of the Weak Association of Sodium and Carbonate Ions at 25Â°C. Journal of Solution Chemistry, 1998, 27, 865-877.	0.6	22
98	Spectroscopic studies of the chemical speciation in concentrated alkaline aluminate solutions. Journal of the Chemical Society Dalton Transactions, 1998, , 3007-3012.	1.1	22
99	Raman Spectroscopic Study of Ion Pairing of Alkali Metal Ions with Carbonate and Sulfate in Aqueous Solutions. Australian Journal of Chemistry, 2000, 53, 887.	0.5	22
100	Ion Pairing and Solvent Relaxation Processes in Aqueous Solutions of Sodium Malonate and Sodium Succinate. Journal of Physical Chemistry B, 2004, 108, 13789-13795.	1.2	22
101	The solvation of fluoride ions. I. Free energies for transfer from water to aqueous alcohol and acetonitrile mixtures. Journal of Solution Chemistry, 1988, 17, 535-546.	0.6	21
102	Apparent molar heat capacities and volumes of electrolytes and ions in acetonitrile-water mixtures. Journal of Solution Chemistry, 1990, 19, 207-223.	0.6	21
103	Viscosities of concentrated electrolyte solutions. Journal of Molecular Liquids, 2003, 103-104, 261-273.	2.3	21
104	Solubility of CuO(s) in highly alkaline solutions. Hydrometallurgy, 2014, 147-148, 68-72.	1.8	21
105	Densities, Ultrasonic Velocities, Viscosities, and Electrical Conductivities of Aqueous Solutions of Mg(OAc)2and Mg(NO3)2. Journal of Chemical & Engineering Data, 2006, 51, 1609-1616.	1.0	20
106	Predicting Cyanide Consumption in Gold Leaching: A Kinetic and Thermodynamic Modeling Approach. Minerals (Basel, Switzerland), 2018, 8, 110.	0.8	20
107	Proton-fluoride equilibria in concentrated sodium perchlorate media. Journal of Solution Chemistry, 1982, 11, 45-53.	0.6	19
108	Optimal optical design of thin-film photovoltaic devices. Solar Energy Materials and Solar Cells, 1997, 49, 163-169.	3.0	19

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109	Heat Capacities and Volumes of Aqueous Dicarboxylate Salt Solutions of Relevance to the Bayer Process. Journal of Chemical & Engineering Data, 2005, 50, 2019-2025.	1.0	19
110	Heat capacities of aqueous solutions of sodium hydroxide and water ionization up to 300Â°C at 10MPa. Geochimica Et Cosmochimica Acta, 2008, 72, 3124-3138.	1.6	19
111	Ion solvation in lithium battery electrolyte solutions. 1. Apparent molar volumes. Journal of Solution Chemistry, 1991, 20, 1059-1078.	0.6	18
112	A general method for the determination of copper(I) equilibria in aqueous solution. Journal of the Chemical Society Chemical Communications, 1993, , 1704.	2.0	18
113	The ionic product of water in concentrated tetramethylammonium chloride solutions. Talanta, 1997, 44, 617-620.	2.9	18
114	Densities and Molar Volumes of Aqueous Solutions of LiClO₄ at Temperatures from 293 K to 343 K. Journal of Chemical & Engineering Data, 2016, 61, 1388-1394.	1.0	18
115	Effect of charge on bond strength in hydrogenated amorphous silicon. Journal of Computational Chemistry, 1994, 15, 644-652.	1.5	17
116	Comprehensive Model of Synthetic Bayer Liquors. Part 2. Densities of Alkaline Aluminate Solutions to 90 Â°C. Journal of Chemical & Engineering Data, 2005, 50, 1270-1276.	1.0	17
117	IUPAC-NIST Solubility Data Series. 81. Hydrocarbons with Water and Seawaterâ€"Revised and Updated Part 12. C5â€"C26 Hydrocarbons with Seawater. Journal of Physical and Chemical Reference Data, 2006, 35, 785-838.	1.9	17
118	Isobaric Heat Capacities of the Ionic Liquids [C_nmim][Tf₂N] (n =) Tj ETQq0 0 0 rgBT /Overlock 1	1.0	17
119	Heat capacities of aqueous sodium hydroxide/aluminate mixtures and prediction of the solubility constant of boehmite up to 300Â°C. Geochimica Et Cosmochimica Acta, 2010, 74, 2368-2379.	1.6	17
120	Systematic Variations of Ion Hydration in Aqueous Alkali Metal Fluoride Solutions. Journal of Physical Chemistry B, 2019, 123, 10868-10876.	1.2	17
121	Direct Determination of Cyanide in Seawater. International Journal of Environmental Analytical Chemistry, 1984, 16, 315-323.	1.8	16
122	Mobilities of cation-macrocyclic ligand complexes. Pure and Applied Chemistry, 1993, 65, 1533-1540.	0.9	16
123	Molar Volumes and Heat Capacities of Electrolytes and Ions in Nonaqueous Solvents: 1. Formamide. Journal of Solution Chemistry, 1998, 27, 1067-1096.	0.6	16
124	Dielectric Spectroscopy of Cesium Fluoride in Methanol. Journal of Solution Chemistry, 2002, 31, 521-535.	0.6	16
125	Dissolution of Cr₂O₃(s) and the Behavior of Chromium in Concentrated NaOH Solutions. Industrial & Engineering Chemistry Research, 2012, 51, 16537-16543.	1.8	16
126	Use of lithium perchlorate media in the study of protolytic equilibria. Journal of Solution Chemistry, 1984, 13, 179-190.	0.6	15

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127	Conductivities of KF and CsF in methanol at 25ï¿½C. Journal of Solution Chemistry, 1996, 25, 541-553.	0.6	15
128	Volumetric behavior of aqueous NaF and KF solutions up to 350â€¡C and 30 MPa. Journal of Solution Chemistry, 1997, 26, 847-875.	0.6	15
129	Improved apparatus and procedures for the measurement of solubility of rapidly equilibrating solidâ€“liquid systems to 90â€ŠÂ°C. Review of Scientific Instruments, 1999, 70, 1481-1485.	0.6	15
130	Scandium Sulfate Complexation in Aqueous Solution by Dielectric Relaxation Spectroscopy. Inorganic Chemistry, 2008, 47, 8619-8628.	1.9	15
131	Some highs and lows (and in-betweens) of solubility measurements of solid electrolytes. Pure and Applied Chemistry, 2013, 85, 2077-2087.	0.9	15
132	Relationships Among Solvent Softness Scales. Journal of Solution Chemistry, 2000, 29, 201-216.	0.6	14
133	Nature of Monomeric Molybdenum(VI) Cations in Acid Solutions Using Theoretical Calculations and Raman Spectroscopy. Journal of Physical Chemistry B, 2019, 123, 3304-3311.	1.2	14
134	Effects of annealing on infrared and thermalâ€effusion spectra of sputteredâ€Si:H alloys. Journal of Applied Physics, 1992, 71, 403-409.	1.1	13
135	205T1-NMR and UV-Visible spectroscopic determination of the formation constants of aqueous thallium(I) hydroxo-complexes. Journal of Solution Chemistry, 1997, 26, 419-431.	0.6	13
136	Molar Volumes and Heat Capacities of Electrolytes and Ions in N,N-Dimethylformamide. Journal of Physical Chemistry B, 2008, 112, 12366-12373.	1.2	13
137	Dielectric Relaxation Study of the Ion Solvation and Association of NaCF₃SO₃, Mg(CF₃SO₃)₂, and Ba(ClO₄)₂inN,N-Dimethylformamide. Journal of Physical Chemistry B, 2011, 115, 2234-2242.	1.2	13
138	Densities and Apparent Molar Volumes of Aqueous Solutions of Li₂SO₄ and LiCF₃SO₃ at Temperatures from 293 to 343 K. Journal of Chemical & Engineering Data, 2016, 61, 3618-3626.	1.0	13
139	Fluoride standards in determination of equilibrium constants of metal ion-fluoride complexes. Analytical Chemistry, 1984, 56, 749-752.	3.2	12
140	Biospeciation, by potentiometry and computer simulation, of Sm-EDTMP, a bone tumor palliative agent. BioMetals, 1996, 9, 351-361.	1.8	12
141	Improved apparatus and procedures for isopiestic studies at elevated temperatures. Review of Scientific Instruments, 1997, 68, 2558-2567.	0.6	12
142	Heat Capacities of Concentrated Aqueous Alkaline Aluminate Solutions at 25 Â°C. Journal of Chemical & Engineering Data, 2002, 47, 960-963.	1.0	12
143	Zdanovskiiâ€™s Rule and Isopiestic Measurements Applied to Synthetic Bayer Liquors. Journal of Solution Chemistry, 2007, 36, 1619-1634.	0.6	12
144	Quantitative analysis in alkaline aluminate solutions by Raman spectroscopy. Analytical Methods, 2009, 1, 132-138.	1.3	12

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145	Chemical Speciation of Environmentally Significant Metals: An IUPAC contribution to reliable and rigorous computer modelling. Chemistry International, 2015, 37, .	0.3	12
146	Thermodynamics of Protonation and Sodium Binding of Sulfate in Concentrated NaCl and CsCl Solutions Studied by Raman Spectroscopy. Australian Journal of Chemistry, 2000, 53, 363.	0.5	11
147	Molar Volumes and Heat Capacities of Aqueous Solutions of Short-Chain Aliphatic Sodium Carboxylates at 25 Â°C. Journal of Chemical & Engineering Data, 2011, 56, 5081-5087.	1.0	11
148	Volatile Products from the Degradation of Organics in a Synthetic Bayer Liquor. Industrial & Engineering Chemistry Research, 2013, 52, 3613-3617.	1.8	11
149	Cyanide thermodynamics. Part 4.â€”Enthalpies and entropies of cyanide complexation of CuI, AgI, ZnIIand CdII. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 641-644.	1.7	10
150	Solubility of Sodium Oxalate in Concentrated Electrolyte Solutions. Journal of Chemical & Engineering Data, 2018, 63, 542-552.	1.0	10
151	Dielectric relaxation spectroscopy: an old-but-new technique for the investigation of electrolyte solutions. Pure and Applied Chemistry, 2020, 92, 1595-1609.	0.9	10
152	Protonation and sodium ion-pairing of the sulfite ion in concentrated aqueous electrolyte solutions. Journal of Solution Chemistry, 1997, 26, 957-972.	0.6	9
153	Application of the tetraphenylarsonium tetraphenylborate (TATB) assumption to the hydration entropies of ions. Journal of Chemical Thermodynamics, 2000, 32, 639-649.	1.0	9
154	The solubility of solids in near-critical fluids. VI. CHI3in CO2revisited. Journal of Chemical Thermodynamics, 2001, 33, 1309-1324.	1.0	9
155	Title is missing!. Journal of Solution Chemistry, 2001, 30, 19-29.	0.6	9
156	Densities of NaOH(aq) at Temperatures from (323 to 573) K and 10 MPa Pressure. Journal of Chemical & Engineering Data, 2007, 52, 2237-2244.	1.0	9
157	Investigation of complexation and solubility equilibria in the copper(I)/cyanide system at 25 Â°C. Hydrometallurgy, 2016, 164, 202-207.	1.8	9
158	Isobaric heat capacity measurements of natural gas model mixtures (methaneÂ+Ân-heptane) and (propaneÂ+Ân-heptane) by differential scanning calorimetry at temperatures from 313ÂK to 422ÂK and pressures up to 31ÂMPa. Fuel, 2021, 296, 120668.	3.4	9
159	Conductivities of 1?1 salts in 2-cyanopyridine. Journal of Solution Chemistry, 1994, 23, 579-593.	0.6	8
160	Densities of Concentrated Alkaline Aluminate Solutions at Temperatures from (323 to 573) K and 10 MPa Pressure. Journal of Chemical & Engineering Data, 2010, 55, 1173-1178.	1.0	8
161	Molar Volumes and Heat Capacities of Aqueous Solutions of Potassium Hydroxide and for Water Ionization up to 573 K at 10 MPa. Journal of Chemical & Engineering Data, 2017, 62, 2959-2972.	1.0	8
162	Densities and Apparent Molar Volumes of Aqueous Solutions of Zinc Sulfate at Temperatures from 293 to 373 K and 0.1 MPa Pressure. Journal of Chemical & Engineering Data, 2021, 66, 38-44.	1.0	8

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163	A spectroscopic study of solvent effects on the formation of Cu(<scp>ii</scp>)â€“chloride complexes in aqueous solution. Physical Chemistry Chemical Physics, 2021, 23, 6807-6814.	1.3	8
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