

Peter R Tremaine

List of Publications by Year in descending order

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papers

2,814
citations

185998

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123
all docs

123
docs citations

123
times ranked

1740
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Canadian advances in nuclear-based hydrogen production and the thermochemical Cu-Cl cycle. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 2901-2917.	3.8	192
2	The solubility of magnetite and the hydrolysis and oxidation of Fe ²⁺ in water to 300°C. <i>Journal of Solution Chemistry</i> , 1980, 9, 415-442.	0.6	157
3	Uranium and plutonium equilibria in aqueous solutions to 200°C. <i>Journal of Chemical & Engineering Data</i> , 1980, 25, 361-370.	1.0	123
4	Thermodynamics of aqueous carbon dioxide and sulfur dioxide: heat capacities, volumes, and the temperature dependence of ionization. <i>Canadian Journal of Chemistry</i> , 1983, 61, 2509-2519.	0.6	80
5	Synthesis and Crystal Structure of Maricite and Sodium Iron(III) Hydroxyphosphate. <i>Chemistry of Materials</i> , 1998, 10, 763-768.	3.2	80
6	The solubility of nickel oxide and hydrolysis of Ni ²⁺ in water to 573 K. <i>Journal of Chemical Thermodynamics</i> , 1980, 12, 521-538.	1.0	78
7	Title is missing!. <i>Journal of Solution Chemistry</i> , 1999, 28, 621-630.	0.6	73
8	Excess molar volumes and densities of (methanol+water) at temperatures between 323 K and 573 K and pressures of 7.0 MPa and 13.5 MPa. <i>Journal of Chemical Thermodynamics</i> , 1997, 29, 261-286.	1.0	70
9	Apparent molal heat capacities and volumes of aqueous hydrogen sulfide and sodium hydrogen sulfide near 25 °C: the temperature dependence of H ₂ S ionization. <i>Canadian Journal of Chemistry</i> , 1982, 60, 1872-1880.	0.6	66
10	The apparent molar heat capacity of aqueous hydrochloric acid from 10 to 140°C. <i>Journal of Solution Chemistry</i> , 1986, 15, 1-22.	0.6	60
11	Thermodynamics of aqueous aluminum: Standard partial molar heat capacities of Al ³⁺ from 10 to 55°C. <i>Geochimica Et Cosmochimica Acta</i> , 1986, 50, 453-459.	1.6	59
12	Water Chemistry in a Supercritical Water-Cooled Pressure Tube Reactor. <i>Nuclear Technology</i> , 2012, 179, 205-219.	0.7	59
13	Raman- and Infrared Spectroscopic Investigation of Aqueous ZnSO ₄ Solutions from 8°C to 165°C: Inner- and Outer-Sphere Complexes. <i>Zeitschrift Fur Physikalische Chemie</i> , 1999, 209, 181-207.	1.4	50
14	Thermodynamics of aqueous amines: excess molar heat capacities, volumes, and expansibilities of {water+ methyl-diethanolamine (MDEA)} and {water + 2-amino-2-methyl-1-propanol (AMP)}. <i>Journal of Chemical Thermodynamics</i> , 2002, 34, 679-710.	1.0	50
15	Raman spectroscopic investigation of aqueous FeSO ₄ in neutral and acidic solutions from 25°C to 303°C: inner- and outer-sphere complexes. <i>Journal of Solution Chemistry</i> , 1997, 26, 757-777.	0.6	49
16	Title is missing!. <i>Journal of Solution Chemistry</i> , 2001, 30, 585-622.	0.6	49
17	Thermodynamics of aqueous aluminate ion: standard partial molar heat capacities and volumes of tetrahydroxyaluminate(1-)(aq) from 10 to 55°C. <i>The Journal of Physical Chemistry</i> , 1988, 92, 1323-1332.	2.9	48
18	Amino Acids under Hydrothermal Conditions: Apparent Molar Volumes of Aqueous L-Alanine, D-Alanine, and Proline at Temperatures from 298 to 523 K and Pressures up to 20.0 MPa. <i>Journal of Physical Chemistry B</i> , 1999, 103, 5131-5144.	1.2	46

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19	Apparent molar heat capacities and volumes of aqueous HClO ₄ , HNO ₃ , (CH ₃) ₄ NOH and K ₂ SO ₄ at 298.15 K. <i>Thermochimica Acta</i> , 1988, 126, 245-253.	1.2	44
20	Amino Acids under Hydrothermal Conditions: Apparent Molar Heat Capacities of Aqueous L-Alanine, D-Alanine, Glycine, and Proline at Temperatures from 298 to 500 K and Pressures up to 30.0 MPa. <i>Journal of Physical Chemistry B</i> , 2000, 104, 11781-11793.	1.2	43
21	Raman Spectroscopic and ab Initio Investigation of Aqueous Boric Acid, Borate, and Polyborate Speciation from 25 to 80 °C. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 13983-13996.	1.8	42
22	Mechanisms of Leaching and Dissolution of UO ₂ . <i>Fuel. Nuclear Technology</i> , 1982, 56, 238-253.	0.7	40
23	Thermodynamic Properties of Aqueous Morpholine and Morpholinium Chloride at Temperatures from 10 to 300 °C: Apparent Molar Volumes, Heat Capacities, and Temperature Dependence of Ionization. <i>Journal of Physical Chemistry B</i> , 1997, 101, 409-419.	1.2	38
24	Limiting Conductivities and Ion Association Constants of Aqueous NaCl under Hydrothermal Conditions: Experimental Data and Correlations. <i>Journal of Chemical & Engineering Data</i> , 2012, 57, 2415-2429.	1.0	35
25	Thermodynamics of the complexes of aqueous iron(III), aluminum and several divalent cations with EDTA: heat capacities, volumes, and variations in stability with temperature. <i>The Journal of Physical Chemistry</i> , 1985, 89, 5541-5549.	2.9	34
26	Ionization constants of aqueous amino acids at temperatures up to 250 °C using hydrothermal pH indicators and UV-visible spectroscopy: Glycine, L-alanine, and proline. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 3029-3043.	1.6	33
27	Calculation of Gibbs free energies of aqueous electrolytes to 350 °C from an electrostatic model for ionic hydration. <i>The Journal of Physical Chemistry</i> , 1978, 82, 2317-2321.	2.9	32
28	Solubility of uranium (IV) oxide in alkaline aqueous solutions to 300 °C. <i>Journal of Solution Chemistry</i> , 1981, 10, 221-230.	0.6	30
29	Adsorption of non-swelling vapours on the surface of cellulose. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1975, 71, 2170.	1.0	28
30	Apparent and Standard Partial Molar Volumes of NaCl, NaOH, and HCl in Water and Heavy Water at T= 523 K and 573 K at p= 14 MPa. <i>Journal of Physical Chemistry B</i> , 2007, 111, 2015-2024.	1.2	27
31	Raman and ab Initio Investigation of Aqueous Cu(I) Chloride Complexes from 25 to 80 °C. <i>Journal of Physical Chemistry B</i> , 2014, 118, 204-214.	1.2	26
32	Determination of Brunauer-Emmett-Teller monolayer capacities by gas-solid chromatography. <i>Analytical Chemistry</i> , 1976, 48, 380-382.	3.2	25
33	Ion-pair formation in aqueous strontium chloride and strontium hydroxide solutions under hydrothermal conditions by AC conductivity measurements. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 17688-17704.	1.3	25
34	Theoretical study of deuterium isotope effects on acid-base equilibria under ambient and hydrothermal conditions. <i>RSC Advances</i> , 2015, 5, 9097-9109.	1.7	25
35	A calculation of gibbs free energies for ferrous ions and the solubility of magnetite in H ₂ O and D ₂ O to 300 °C. <i>Thermochimica Acta</i> , 1977, 19, 287-300.	1.2	24
36	Apparent molar heat capacities and volumes of LaCl ₃ (aq), La(ClO ₄) ₃ (aq), and Gd(ClO ₄) ₃ (aq) between the temperatures 283 K and 338 K. <i>Journal of Chemical Thermodynamics</i> , 1996, 28, 43-66.	1.0	24

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37	Apparent molar volumes of aqueous sodium trifluoromethanesulfonate and trifluoromethanesulfonic acid from 283 K to 600 K and pressures up to 20 MPa. <i>Journal of Solution Chemistry</i> , 1997, 26, 277-294.	0.6	24
38	Deuterium Isotope Effects on the Ionization Constant of Acetic Acid in H_2O and D_2O by AC Conductance from 368 to 548 K at 20 MPa. <i>Journal of Physical Chemistry B</i> , 2011, 115, 3038-3051.	1.2	24
39	Apparent molar heat capacities and apparent molar volumes of $Hg(ClO_4)_2(aq)$ and $Pb(ClO_4)_2(aq)$ at 298.15 K. <i>Journal of Chemical Thermodynamics</i> , 1988, 20, 595-602.	1.0	23
40	Vapour liquid equilibrium calculations for dilute aqueous solutions of CO_2 , H_2S , NH_3 and $NaOH$ to 300°C. <i>Canadian Journal of Chemical Engineering</i> , 1985, 63, 294-300.	0.9	22
41	Partial molar volume study of the complexes of calix[4]naphthalenes with [60]fullerene in different solvents. <i>Perkin Transactions II RSC</i> , 2001, , 3-6.	1.1	22
42	Spectrophotometric Determination of the Ionization Constants of Aqueous Nitrophenols at Temperatures up to 225°C. <i>Journal of Solution Chemistry</i> , 2008, 37, 857-874.	0.6	22
43	The Static Dielectric Constants of the Liquefied Fluoromethanes. <i>Canadian Journal of Chemistry</i> , 1973, 51, 1497-1503.	0.6	19
44	Title is missing!. <i>Journal of Solution Chemistry</i> , 1997, 26, 1113-1143.	0.6	19
45	D_2O Isotope Effects on the Ionization of β -Naphthol and Boric Acid at Temperatures from 225 to 300°C using UV-Visible Spectroscopy. <i>Journal of Solution Chemistry</i> , 2009, 38, 805-826.	0.6	19
46	Absorption of CO_2 in aqueous solutions of 2-methylpiperidine: Heats of solution and modeling. <i>International Journal of Greenhouse Gas Control</i> , 2016, 47, 322-329.	2.3	19
47	Thermodynamics of aqueous EDTA systems: Apparent and partial molar heat capacities and volumes of aqueous $EDTA^{4-}$, $HEDTA^{3-}$, H_2EDTA^{2-} , $NaEDTA^{3-}$, and $KEDTA^{3-}$ at 25 °C. Relaxation effects in mixed aqueous electrolyte solutions and calculations of temperature dependent equilibrium constants. <i>Canadian Journal of Chemistry</i> , 1988, 66, 881-896.	0.6	18
48	Raman studies of hydration of hydroxy complexes and the effect on standard partial molar heat capacities. <i>Geochimica Et Cosmochimica Acta</i> , 1992, 56, 2573-2577.	1.6	18
49	Thermodynamics of aqueous phosphate solutions: Apparent molar heat capacities and volumes of the sodium and tetramethylammonium salts at 25½C. <i>Journal of Solution Chemistry</i> , 1995, 24, 439-463.	0.6	18
50	Non-Complexing Anions for Quantitative Speciation Studies Using Raman Spectroscopy in Fused Silica High-Pressure Optical Cells under Hydrothermal Conditions. <i>Applied Spectroscopy</i> , 2015, 69, 972-983.	1.2	18
51	Triborate Formation Constants and Polyborate Speciation under Hydrothermal Conditions by Raman Spectroscopy using a Titanium/Sapphire Flow Cell. <i>Journal of Physical Chemistry B</i> , 2019, 123, 5147-5159.	1.2	18
52	Excess molar enthalpies of six (carbon dioxide + a polar solvent) mixtures at the temperatures 298.15 K and 308.15 K and pressures from 7.5 MPa to 12.6 MPa. <i>Journal of Chemical Thermodynamics</i> , 1996, 28, 1303-1317.	1.0	17
53	Thermodynamics of aqueous uranyl ion: Apparent and partial molar heat capacities and volumes of aqueous uranyl perchlorate from 10 to 55°C. <i>Geochimica Et Cosmochimica Acta</i> , 1989, 53, 1503-1509.	1.6	16
54	Title is missing!. <i>Journal of Solution Chemistry</i> , 2000, 29, 889-904.	0.6	16

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55	Complexation in the Cu(II)-LiCl-H ₂ O system at temperatures to 423K by UV-Visible spectroscopy. International Journal of Hydrogen Energy, 2010, 35, 4893-4900.	3.8	16
56	Limiting Conductivities and Ion Association in Aqueous NaCF ₃ SO ₃ and Sr(CF ₃ SO ₃) ₂ from (298 to 623) K at 20 MPa. Is Triflate a Non-Complexing Anion in High-Temperature Water?. Journal of Chemical & Engineering Data, 2012, 57, 3180-3197.	1.0	16
57	Limiting Conductivities of Univalent Cations and the Chloride Ion in H ₂ O and D ₂ O Under Hydrothermal Conditions. Journal of Solution Chemistry, 2015, 44, 1062-1089.	0.6	16
58	The limiting conductivity of the borate ion and its ion-pair formation constants with sodium and potassium under hydrothermal conditions. Physical Chemistry Chemical Physics, 2016, 18, 24081-24094.	1.3	16
59	Thermodynamics of liquid and supercritical water to 900.degree.C by a Monte-Carlo method. The Journal of Physical Chemistry, 1980, 84, 3304-3306.	2.9	15
60	Ionization Constants of Aqueous Glycolic Acid at Temperatures up to 250 °C Using Hydrothermal pH Indicators and UV-Visible Spectroscopy. Journal of Solution Chemistry, 2005, 34, 769-788.	0.6	15
61	Ion Association in Dilute Aqueous Magnesium Sulfate and Nickel Sulfate Solutions Under Hydrothermal Conditions by Flow Conductivity Measurements. Journal of Chemical & Engineering Data, 2011, 56, 889-898.	1.0	15
62	Thermodynamics of aqueous zinc: Standard partial molar heat capacities and volumes of Zn ²⁺ (aq) from 10 to 55°C. Geochimica Et Cosmochimica Acta, 1994, 58, 4867-4874.	1.6	14
63	Ionization equilibria of acids and bases under hydrothermal conditions. , 2004, , 441-492.		14
64	Thermodynamics of aqueous methyldiethanolamine (MDEA) and methyldiethanolammonium chloride (MDEAH ⁺ Cl ⁻) over a wide range of temperature and pressure: Apparent molar volumes, heat capacities, and isothermal compressibilities. Journal of Chemical Thermodynamics, 2006, 38, 988-1007.	1.0	14
65	Thermodynamics of Aqueous Diethylenetriaminepentaacetic Acid (DTPA) Systems: Apparent and Partial Molar Heat Capacities and Volumes of Aqueous H ₂ DTPA ³⁻ , DTPA ⁵⁻ , CuDTPA ³⁻ , and Cu ₂ DTPA ²⁻ from 10 to 55°C. Journal of Solution Chemistry, 1999, 28, 291-325.	0.6	13
66	Enthalpies of formation and heat capacity functions for maricite, NaFePO ₄ (cr), and sodium iron(III) hydroxy phosphate, Na ₃ Fe(PO ₄) ₂ ·(Na ₄ /3H ₂ /3O)(cr). Journal of Chemical Thermodynamics, 1999, 31, 1307-1320.	1.0	13
67	Solution Calorimetry Under Hydrothermal Conditions. Reviews in Mineralogy and Geochemistry, 2013, 76, 219-263.	2.2	13
68	Ion-Pair Formation Constants of Lithium Borate and Lithium Hydroxide under Pressurized Water Nuclear Reactor Coolant Conditions. Industrial & Engineering Chemistry Research, 2017, 56, 8121-8132.	1.8	13
69	The thermodynamics of aqueous trivalent rare earth elements. Apparent molar heat capacities and volumes of Nd(ClO ₄) ₃ (aq), Eu(ClO ₄) ₃ (aq), Er(ClO ₄) ₃ (aq), and Yb(ClO ₄) ₃ (aq) from the temperatures 283 K to 328 K. Journal of Chemical Thermodynamics, 1997, 29, 827-852.	1.0	12
70	Thermodynamics of Polyborates under Hydrothermal Conditions: Formation Constants and Limiting Conductivities of Triborate and Diborate. Journal of Chemical & Engineering Data, 2019, 64, 4430-4443.	1.0	12
71	Thermodynamics of aqueous EDTA systems: Apparent and partial molar heat capacities and volumes of aqueous strontium and barium EDTA. Journal of Solution Chemistry, 1986, 15, 977-987.	0.6	11
72	Excess enthalpies of (carbon dioxide + propylene carbonate or N-methyl- μ -caprolactam or 1-formyl) Tj ETQqO O O rgBT /Overlock 10 Tf 50 Chemical Thermodynamics, 1995, 27, 1169-1185.	1.0	11

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73	Apparent Molar Volumes of La(CF ₃ SO ₃) ₃ (aq) and Gd(CF ₃ SO ₃) ₃ (aq) at 278 K, 298 K, and 318 K at Pressures to 30.0 MPa. <i>Journal of Chemical & Engineering Data</i> , 1996, 41, 1075-1078.	1.0	11
74	Thermodynamic properties of aqueous diethanolamine (DEA), N,N-dimethylethanolamine (DMEA), and their chloride salts: apparent molar heat capacities and volumes at temperatures from 283.15 to 328.15 K. <i>Canadian Journal of Chemistry</i> , 2000, 78, 151-165.	0.6	11
75	Title is missing!. <i>Journal of Solution Chemistry</i> , 2001, 30, 201-211.	0.6	11
76	Standard Partial Molar Volumes of Aqueous Glycolic Acid and Tartaric Acid from 25 to 350 °C: Evidence of a Negative Krichevskii Parameter for a Neutral Organic Solute. <i>Journal of Physical Chemistry B</i> , 2005, 109, 20539-20545.	1.2	11
77	Volumetric behavior of water-methanol mixtures in the vicinity of the critical region. <i>Fluid Phase Equilibria</i> , 2006, 245, 125-133.	1.4	11
78	Ionization constants and thermal stabilities of uracil and adenine under hydrothermal conditions as measured by in situ UV-visible spectroscopy. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 93, 182-204.	1.6	11
79	Investigation of Uranyl Sulfate Complexation under Hydrothermal Conditions by Quantitative Raman Spectroscopy and Density Functional Theory. <i>Journal of Physical Chemistry B</i> , 2019, 123, 7385-7409.	1.2	11
80	Measurement of reaction enthalpy during pressure oxidation of sulphide minerals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 96, 117-124.	2.0	10
81	The Ionization Constant of Water at Elevated Temperatures and Pressures: New Data from Direct Conductivity Measurements and Revised Formulations from $T = 273$ K to 674 K and $p = 0.1$ MPa to 31 MPa. <i>Journal of Physical and Chemical Reference Data</i> , 2020, 49, .	1.9	10
82	Polymorphism in phenol under pressure: The x-ray powder diffraction patterns of phenol I and II at 190 °C, and the volume compressibilities of phenol I and II at 10 °C. <i>Journal of Chemical Physics</i> , 1975, 62, 3334-3336.		9
83	Polymorphism in phenol under pressure: The volume compressibilities of phenol I and II at 10 °C, and the phase diagram below 0 °C. <i>Journal of Chemical Physics</i> , 1973, 58, 854-856.	1.2	8
84	Sodium oxide-phosphorus(V) oxide-water phase diagram near 300 °C: Equilibrium solid phases. <i>Inorganic Chemistry</i> , 1979, 18, 2947-2953.	1.9	8
85	Apparent and standard partial molar heat capacities and volumes of aqueous tartaric acid and its sodium salts at elevated temperature and pressure. <i>Journal of Chemical Thermodynamics</i> , 2004, 36, 127-140.	1.0	8
86	Standard Partial Molar Volumes of Some Aqueous Alkanolamines and Alkoxyamines at Temperatures up to 325 °C: Functional Group Additivity in Polar Organic Solutes under Hydrothermal Conditions. <i>Journal of Physical Chemistry B</i> , 2008, 112, 5626-5645.	1.2	8
87	Third dissociation constant of phosphoric acid in H ₂ O and D ₂ O from 75 to 300 °C at $p = 20.4$ MPa using Raman spectroscopy and a titanium-sapphire flow cell. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 10670-10685.	1.3	8
88	Carbamate Formation in the System (2-Methylpiperidine + Carbon Dioxide) by Raman Spectroscopy and X-ray Diffraction. <i>Journal of Physical Chemistry B</i> , 2018, 122, 10880-10893.	1.2	7
89	Empirical correlations between solvent properties and the optical excitation energies of solvated electrons. <i>The Journal of Physical Chemistry</i> , 1978, 82, 224-226.	2.9	6
90	Initial thermoelectric power of the silver-silver chloride electrode from 30 to 90 °C. An ionic scale for the thermoelectric power of aqueous electrolytes. <i>The Journal of Physical Chemistry</i> , 1981, 85, 1977-1983.	2.9	6

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91	Excess molar enthalpies of (carbon dioxide+ethylene glycol dimethyl ether or 2-methoxyethyl ether) at the temperatures 298.15 K and 308.15 K and pressures from 7.5 MPa to 12.5 MPa. Journal of Chemical Thermodynamics, 1996, 28, 577-587.	1.0	6
92	Densities and apparent molar volumes of $Gd(CF_3SO_3)_3(aq)$ at $T=(373, 423, \text{ and } 472) \text{ K}$ and $p=(7 \text{ and } 26) \text{ MPa}$. Journal of Chemical Thermodynamics, 1999, 31, 1055-1065.	1.0	6
93	Thermodynamics of aqueous adenine: Standard partial molar volumes and heat capacities of adenine, adeninium chloride, and sodium adeninate from $T = 283.15 \text{ K}$ to 363.15 K . Journal of Chemical Thermodynamics, 2017, 112, 129-145.	1.0	6
94	Formation Constants and Conformational Analysis of Carbamates in Aqueous Solutions of 2-Methylpiperidine and CO_2 from 283 to 313 K by NMR Spectroscopy. Journal of Physical Chemistry B, 2018, 122, 9178-9190.	1.2	6
95	Apparent molar heat capacities and volumes of alkylbenzenesulfonate salts in water: substituent group additivity. Canadian Journal of Chemistry, 1986, 64, 394-398.	0.6	5
96	Second Dissociation Constant of Carbonic Acid in H_2O and D_2O from 150 to $325 \text{ }^\circ\text{C}$ at $p = 21 \text{ MPa}$ Using Raman Spectroscopy and a Sapphire-Windowed Flow Cell. Journal of Physical Chemistry B, 2020, 124, 2600-2617.	1.2	5
97	The adsorption of n-decane on the surface of water-swollen cellulose fibers. Journal of Colloid and Interface Science, 1977, 60, 548-554.	5.0	4
98	Standard enthalpy of formation of aqueous titanyl chloride, $TiOCl_2(aq)$, at $T=298.15 \text{ K}$. Journal of Chemical Thermodynamics, 2006, 38, 1563-1567.	1.0	4
99	Apparent Molar Volumes and Standard Partial Molar Volumes of Aqueous Sodium Phosphate Salts at Elevated Temperatures. Journal of Chemical & Engineering Data, 2008, 53, 1728-1737.	1.0	4
100	A study of the deuterium isotope effect on zinc(II) hydrolysis and solubility under hydrothermal conditions using density functional theory. Chemical Engineering Science, 2022, 254, 117596.	1.9	4
101	Determination of low specific surface areas of minerals and oxides by gas-solid chromatography. Canadian Journal of Chemistry, 1982, 60, 2859-2862.	0.6	3
102	Apparent and partial molar heat capacities and volumes of aqueous adipic acid, l-tartaric acid, and their sodium salts at $T= 298.15 \text{ K}$. Journal of Chemical Thermodynamics, 2000, 32, 1513-1523.	1.0	3
103	Standard Partial Molar Volumes of Aqueous 2- and 3-Hydroxypropionic Acid from 100 to $325 \text{ }^\circ\text{C}$: Functional Group Additivity in Isomers with Closely Spaced Polar Groups. Journal of Solution Chemistry, 2007, 36, 1525-1546.	0.6	3
104	Thermodynamics of the Sodium-Iron-Phosphate-Water System Under Hydrothermal Conditions: The Gibbs Energy of Formation of Sodium Iron(III) Hydroxy Phosphate, $Na_3Fe(PO_4)_2 \cdot (Na_4/3H_2O)$, from Solubility Measurements in Equilibrium with Hematite at $498 \text{ }^\circ\text{C}$ – $598 \text{ }^\circ\text{C}$. Journal of Solution Chemistry, 2015, 44, 1121-1140.	0.6	3
105	Polymorphism in phenol under pressure: dielectric properties and molar polarizations of polycrystalline phenol I and II. Canadian Journal of Chemistry, 1977, 55, 1294-1302.	0.6	2
106	Thermodynamics of Aqueous Nitrilotriacetic Acid (NTA) Systems: Apparent and Partial Molar Heat Capacities and Volumes of Aqueous $HNTA^{2-}$, NTA^{3-} , $MgNTA^{-}$, $CoNTA^{-}$, $NiNTA^{-}$ and $CuNTA^{-}$ at $25 \text{ }^\circ\text{C}$. Journal of Solution Chemistry, 2006, 35, 1303-1313.	0.6	2
107	7. Solution Calorimetry Under Hydrothermal Conditions. , 2013, , 219-264.		2
108	Standard partial molar heat capacities and enthalpies of formation of aqueous aluminate under hydrothermal conditions from integral heat of solution measurements. Journal of Chemical Thermodynamics, 2014, 78, 79-92.	1.0	2

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109	Standard partial molar heat capacities and volumes of aqueous N-methylpiperidine and N-methylpiperidinium chloride from 283 K to 393 K. <i>Journal of Chemical Thermodynamics</i> , 2017, 113, 377-387.	1.0	2
110	Deuterium Isotope Effects on the Second Ionization Constant of Aqueous Sulfuric Acid from 25Å° to 200Å° using Raman Spectroscopy. <i>Journal of Solution Chemistry</i> , 2022, 51, 479-498.	0.6	2
111	Thermodynamics of the Complexes of Aqueous Iron (III). Aluminum and Several Divalent Cations with EDTA: Heat Capacities, Volumes, and Variations in Stability with Temperature - Correction. <i>The Journal of Physical Chemistry</i> , 1986, 90, 4218-4218.	2.9	1
112	Standard Partial Molar Heat Capacities and Volumes of Aqueous <i>N</i>-Dimethylethanolamine and <i>N</i>-Dimethylethanolammonium Chloride from 283.15 to 393.15 K, and Ionization Constants to 598.15 K. <i>Journal of Chemical & Engineering Data</i> , 2021, 66, 4180-4192.	1.0	1
113	Corrosion product stability in high temperature aqueous systems-deuterium isotope effects. <i>Journal of Nuclear Materials</i> , 1977, 68, 351-354.	1.3	0
114	Ionization Constants of DL-2-Aminobutyric Acid and DL-Norvaline Under Hydrothermal Conditions by UV-Visible Spectroscopy. <i>Journal of Solution Chemistry</i> , 2017, 46, 388-423.	0.6	0
115	Carbon Dioxide Contamination of Aqueous Morpholine Solutions and Effects on Secondary Coolant Chemistry Under CANDU Conditions. <i>Nuclear Technology</i> , 2022, 208, 192-201.	0.7	0