

Thermodynamics of electrolytes. I. Theoretical basis and

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Thermodynamics of electrolytes. I. Theoretical basis and general equations. The Journal of Physical Chemistry, 1973, 77, 268-277.	2.9	3,155
3	Thermodynamic properties of sea salt solutions. AIChE Journal, 1974, 20, 326-335.	1.8	90
4	The system H ₂ O-HCl-NH ₄ Cl at 25°C: A study of Harned's rule. Journal of Solution Chemistry, 1974, 3, 837-845.	0.6	34
5	Thermodynamics of electrolytes. III. Activity and osmotic coefficients for 2-2 electrolytes. Journal of Solution Chemistry, 1974, 3, 539-546.	0.6	449
6	The Physical Chemistry of Seawater. Annual Review of Earth and Planetary Sciences, 1974, 2, 101-150.	4.6	170
7	An improved specific interaction model for seawater at 25°C and 1 atmosphere total pressure. Marine Chemistry, 1975, 3, 197-213.	0.9	54
8	Thermodynamic properties of strong electrolytes: The HBr-NH ₄ Br-H ₂ O system at 25°C. Journal of Solution Chemistry, 1975, 4, 431-440.	0.6	13
9	Thermodynamics of mixed electrolyte solutions: The systems H ₂ O-NaCl-CoCl ₂ and H ₂ O-CaCl ₂ -CoCl ₂ at 25°C. Journal of Solution Chemistry, 1975, 4, 191-204.	0.6	10
10	Thermodynamics of electrolytes. V. effects of higher-order electrostatic terms. Journal of Solution Chemistry, 1975, 4, 249-265.	0.6	409
11	Thermodynamic properties of strong electrolyte solutions from correlation functions. Journal of Solution Chemistry, 1975, 4, 763-778.	0.6	9
12	The extension of chemical models for sea water to include trace components at 25°C and 1 atm pressure. Geochimica Et Cosmochimica Acta, 1975, 39, 1545-1557.	1.6	103
13	Phase transformation and growth of aerosol particles composed of mixed salts. Journal of Aerosol Science, 1976, 7, 361-371.	1.8	188
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16	Thermodynamics of electrolytes. VI. Weak electrolytes including H ₃ PO ₄ . Journal of Solution Chemistry, 1976, 5, 269-278.	0.6	153
17	Thermodynamic properties of alkali halides. V. Temperature and pressure dependence of excess free energies in water. Journal of Solution Chemistry, 1976, 5, 297-308.	0.6	12
18	Thermodynamics of electrolytes. Binary mixtures formed from aqueous NaCl, Na ₂ SO ₄ , CuCl ₂ , and CuSO ₄ , at 25°C. Journal of Solution Chemistry, 1976, 5, 389-398.	0.6	59
19	The ionization of water in NaCl media to 300°C. Journal of Solution Chemistry, 1976, 5, 147-152.	0.6	24

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21	Long-range order model of aqueous electrolyte solutions.. Geochemical Journal, 1977, 11, 1-7.	0.5	3
22	Electrolyte theory - improvements since Debye and Hueckel. Accounts of Chemical Research, 1977, 10, 371-377.	7.6	155
23	Determination of hydrogen ion concentrations in seawater from 5 to 40.degree.C: standard potentials at salinities from 20 to 45%. Analytical Chemistry, 1977, 49, 29-34.	3.2	156
24	Bioassay of nystatin bulk material by flow microcalorimetry. Analytical Chemistry, 1977, 49, 34-37.	3.2	34
25	Monoionic liquid membrane potential in non-isothermal systems. Analytical Chemistry, 1977, 49, 212-216.	3.2	9
26	Activity coefficients and osmotic coefficients in aqueous solutions of choline chloride at 25.degree.C. Analytical Chemistry, 1977, 49, 209-212.	3.2	19
27	The activities of potassium chloride and of water in Dead Sea brine. Geochimica Et Cosmochimica Acta, 1977, 41, 1739-1744.	1.6	20
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29	The activity coefficient of hydrochloric acid in aqueous mixtures with perchloric acid at 298.15 K and ionic strengths 0.1 to 3.0 mol kg ⁻¹ . Journal of Chemical Thermodynamics, 1977, 9, 239-248.	1.0	2
30	Influence of aqueous phase composition upon copper extraction by cationic extractants: A thermodynamic interpretation. Hydrometallurgy, 1977, 2, 305-314.	1.8	13
31	Ionic interaction coefficients. Binary mixtures of halogen acids and nitric acid with different valent halides and univalent nitrates. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1977, 79, 19-29.	0.3	3
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40	Electromotive-force studies of mixed electrolytes in mixed solvents. HCl+NH ₄ Cl in methanol+water solvents at 25 $\frac{1}{2}$ °C. Journal of Solution Chemistry, 1978, 7, 349-355.	0.6	4
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42	Thermodynamics of ionization of D ₂ O and D ₂ PO ₄ ? . Journal of Solution Chemistry, 1978, 7, 901-912.	0.6	31
43	Activity coefficient of hydrochloric acid in the system HCl?KCl?H ₂ O at 25 $\frac{1}{2}$ °C and ionic strengths from 0.1 to 3 moles-kg ⁻¹ . Journal of Solution Chemistry, 1978, 7, 433-442.	0.6	12
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54	Isopiestic studies of aqueous solutions at elevated temperatures II. NaCl + KCl mixtures. Journal of Chemical Thermodynamics, 1979, 11, 1035-1050.	1.0	49
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90	Thermodynamics of aqueous carbonate solutions including mixtures of sodium carbonate, bicarbonate, and chloride. Journal of Chemical Thermodynamics, 1982, 14, 613-638.	1.0	149
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135	An NRTL model for representation and prediction of deviation from ideality in electrolyte solutions compared to the models of Chen (1982) and Pitzer (1973). <i>AIChE Journal</i> , 1985, 31, 392-399.	1.8	56
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152	A unified approach for prediction of thermodynamic properties of aqueous mixed-electrolyte solutions. Part II: Volume, thermal, and other properties. <i>AIChE Journal</i> , 1986, 32, 1429-1438.	1.8	56
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1608	Deterioration of a fractured carbonate caprock exposed to CO ₂ ~acidified brine flow. , 2011, 1, 248-260.		106

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