

PUBLICATIONS OF A. S. KERTES

1. Bloch, M.R.; Kertes, S.; Schnerb, I. Microdetermination of bromides. *Bull. Res. Counc. Isr.* 1952, 1, 82-83.
2. Yaron, F.; Kertes, S.; Heitner, M. The chloride-bromide ratio of the water sources of the Eastern Emek Yezreel and of the Beisan Valley. *Bull. Res. Counc. Isr.* 1952, 2, 118-120, corr. 1952, 2, 332.
3. Bobtelsky, M.; Kertes, S. Etude spectrophotometrique de l'orthonitrophenol et son comportement envers les cations. I. *Bull. Soc. Chim. Fr.* 1954, 143-147.
4. Bobtelsky, M.; Kertes, S. Complexes metalliques de ortho-nitrophenol, leurs composition, comportement et stabilite. Une etude spectrophotometrique. *Bull. Soc. Chim. Fr.* 1954, 148-151.
5. Bobtelsky, M.; Kertes, S. The polyphosphates of calcium, strontium, barium and magnesium, their complex character, composition and behavior. *J. Appl. Chem.* 1954, 4, 419-429.
6. Bobtelsky, M.; Kertes, S. The polyphosphates of cadmium, zinc and lead: the character, composition and behavior of their complexes. *J. Appl. Chem.* 1955, 5, 125-133.
7. Bobtelsky, M.; Kertes, S. Etude spectrophotometrique de p-nitrophenol, 2,4-dinitrophenol et acide picrique et de leurs complexes metalliques. *Bull. Soc. Chim. Fr.* 1955, 325-327.
8. Bobtelsky, M.; Kertes, S. Les complexes metalliques de l'acide picrique, 2,4-dinitro et p-nitrophenol. *Bull. Soc. Chim. Fr.* 1955, 328-334.
9. Kertes, S. Thermodynamic indicator constants of dinitrophenols in dioxan-water mixtures. *J. Chem. Soc.* 1955, 1386-1388.
10. Bobtelsky, M.; Kertes, S. The polyphosphates of manganese, cobalt, nickel and copper, their complex character, composition and behavior. *J. Appl. Chem.* 1955, 5, 675-686.
11. Kertes, S.; Goldschmidt, J.M.E. A spectrophotometric study of hexanitrodiphenylamine. I. The molecular and ionic forms in dioxan. *J. Chem. Soc.* 1956, 401-404.
12. Kertes, S. Relation between R_f values and dielectric constant in paper chromatography. *Res. Corresp.* 1956, 9, S5-S9.
13. Kertes, S. The determination of organic bases with hexanitrodiphenylamine. I. General study. *Anal. Chim. Acta* 1956, 15, 73-76.
14. Kertes, S.; Kertes, V. The determination of organic bases with hexanitrodiphenylamine. II. The determination of pyridine with special reference to the determination of pyridine in alcohol. *Anal. Chim. Acta* 1956, 15, 154-157.
15. Lederer, M.; Kertes, S. Chromatography on paper impregnated with ion-exchange resins. II. Separation of selenite and tellurite. *Anal. Chim. Acta* 1956, 15, 226-231.
16. Kertes, S.; Lederer, M. Paper chromatography of inorganic ions. XV. R_f values in mixtures of butanol and hydrobromic acid. *Anal. Chim. Acta* 1956, 15, 543-547.
17. Kertes, S.; Lederer, M.; Lefort, M. Effets chimiques des rayonnements nucleaires sur la 8-hydroxyquinoleine en solution aqueuse. *J. Chim. Phys. Phys.-Chim. Biol.* 1956, 959-962.
18. Kertes, S.; Lederer, M. A study of chromium(III) sulphate complexes by electrophoresis on filter paper. *Anal. Chim. Acta* 1957, 16, 40-43.
19. Kertes, A.S. Effects of acid strength upon the R_f values using acidified eluants. *Res. Corresp.* 1957, 10, 451-452.

20. Kertes, A.S. Paper chromatography of metal complexes. II. Replacement ability of the ligands. *Anal. Chim. Acta* 1957, 17, 470-475.
21. Kertes, A.S. Paper chromatography of metal complexes. III. Relationship between the R_f and the stability of metal complexes. *Anal. Chim. Acta* 1957, 17, 570-574.
22. Kertes, A.S.; Goldschmidt, J.M.E. Acid titrants and indicators in organic solvent water (9:1) mixtures. *Bull. Res. Council. Isr., Sect. A* 1957, 7, 29-34.
23. Kertes, A.S. Metallic nitrates in the methylisobutylketone - nitric acid system. A paper chromatographic study. *J. Chromatogr.* 1958, 1, 62-66.
24. Kertes, A.S.; Ben-Bassat, A.H.I. Metallic nitrates in paper chromatography. II. The system methylisobutylketone - nitric acid - lithium nitrate - water. *J. Chromatogr.* 1958, 1, 489-495.
25. Kertes, A.S.; Beck, A. Metallic nitrates in paper chromatography. III. The system diisopropylether - nitric acid - water. *J. Chromatogr.* 1958, 1, 496-500.
26. Kertes, A.S.; Beck, A. Metallic nitrates in the system isoamyl-alcohol - nitric acid - water. IV. A paper chromatographic study. *Bull. Res. Council. Isr., Sect. A* 1958, 7, 138-146.
27. Kertes, A.S. Separation of gadolinium from ^{235}U fission product rare earths. *J. Inorg. Nucl. Chem.* 1959, 10, 161-163.
28. Heitner-Wirguin, C.; Kertes, A.S. Inorganic and Analytical Chemistry in Semimicro Experiments. (Hebrew). *Kiriat-Sepher. Jerusalem.* 1959. 256 pp.
29. Kertes, A.S.; Beck, A. Metallic nitrates in paper chromatography. V. Systems containing ammonium thiocyanate. *J. Chromatogr.* 1959, 2, 362-371.
30. Kertes, A.S.; Beck, A. Metallic nitrates in paper chromatography. VI. Systems containing tributylphosphate and nitric acid. *J. Chromatogr.* 1960, 3, 195-196.
31. Kertes, A.S. Unstable hydration of hydrochloric acid in tributylphosphate. *J. Inorg. Nucl. Chem.* 1960, 12, 377-378.
32. Kertes, A.S. Solute-solvent interaction in the system hydrochloric acid - water - tributylphosphate. *J. Inorg. Nucl. Chem.* 1960, 14, 104-113.
33. Kertes, A.S.; Kertes, V. Solvent extraction of mineral acids. III. Solute-solvent interaction in the system hydrobromic acid - water - tributylphosphate. *Can. J. Chem.* 1960, 38, 612-619.
34. Kertes, A.S.; Kertes, V. Solvent extraction of mineral acids. IV. Solute-solvent interaction in the system hydrobromic acid - water - tributylphosphate. *J. Appl. Chem.* 1960, 10, 287-292.
35. Kertes, A.S.; Halpern, M. Extraction equilibria in the system aqueous hydrochloric acid - uranyl chloride - tributylphosphate. *J. Inorg. Nucl. Chem.* 1961, 16, 308-322.
36. Kertes, A.S.; Beck, A. Solvent extraction of septivalent rhenium. I. Heterogeneous equilibria in the system aqueous nitric acid - potassium perrhenate - tributylphosphate. *J. Chem. Soc.* 1961, 1921-1926.
37. Kertes, A.S.; Beck, A. Solvent extraction of septivalent rhenium. II. Heterogeneous equilibria in the system aqueous nitric acid - potassium perrhenate - triisooctylamine. *J. Chem. Soc.* 1961, 1926-1930.
38. Kertes, A.S.; Halpern, M. Hydrolytic and photolytic reactions in the system: water - hydrochloric acid - UO_2Cl_2 - butylphosphoric esters. *J. Inorg. Nucl. Chem.* 1961, 19, 359-362.

39. Kertes, A.S.; Halpern, M. Hydrochloric acid promoted hydrolysis of tributylphosphate. *J. Inorg. Nucl. Chem.* 1961, *20*, 117-126.
40. Kertes, A.S.; Beck, A.; Habousha, Y. Heterogeneous equilibria in the system water - nitric acid - dibutylphosphate. *J. Inorg. Nucl. Chem.* 1961, *21*, 108-123.
41. Kertes, A.S.; Beck, A. Solvent extraction of septivalent rhenium. III. Heterogeneous equilibria in the system aqueous nitric acid - potassium perrhenate - dibutylphosphate. *J. Chem. Soc.* 1961, 5046-5048.
42. Kertes, A.S.; Platzner, I.T. Distribution of nitric acid between water and Amberlite LA-1 liquid anion exchanger. *J. Inorg. Nucl. Chem.* 1962, *24*, 1417-1428.
43. Kertes, A.S.; Elhanan-Habousha, Y. On the third phase formation in extraction systems involving amine hydrochlorides. *J. Inorg. Nucl. Chem.* 1963, *25*, 1531-1533.
44. Kertes, A.S. Solubility parameters of long-chain alkylamines and their activities in organic solvents. *J. Inorg. Nucl. Chem.* 1964, *26*, 1764-1766.
45. Halpern, M.; Kim, T.; Kertes, A.S.; Li, N.C. Studies on the uranium extraction equilibria. Photolytic and hydrolytic reactions in systems containing tributoxyethylphosphate. *Can. J. Chem.* 1964, *42*, 878-884.
46. Kertes, A.S.; Lloyd, P.J.; Kimura, K.; Byrum, J.F.; Irvine, J.W., Jr. Identification of anionic complexes in aqueous solution by solvent extraction using long-chain amines. *USAEC Report TID-20451*. April, 1964. 9 pp.
47. Kertes, A.S.; Habousha, Y.E. Miscibility gap in extraction systems involving alkylamines. *Third Intern. Conf. Peaceful Uses of Atomic Energy*. Geneva, Switzerland. Vol. 10. pp. 392-397, 1964.
48. Kertes, A.S. Solubility and activity of high-molecular weight amine hydrochlorides in organic solvents. *J. Inorg. Nucl. Chem.* 1965, *27*, 209-217.
49. Kertes, A.S.; Lloyd, P.J. The viscosities of solutions of acids in tributylphosphate. *J. Chem. Soc.* 1965, 3477-3478.
50. Scibona, G.; Nathan, R.A.; Kertes, A.S.; Irvine, J.W., Jr. Distribution of single anions between carbon tetrachloride solutions of high-molecular weight tertiary ammonium salts and aqueous lithium chloride solutions. *J. Phys. Chem.* 1966, *70*, 375-382.
51. Kertes, A.S. The chemistry of the formation and elimination of a third phase in organophosphorus and amine extraction systems. In *Solvent Extraction Chemistry of Metals*. Eds. McKay, H.A.C. et al. Macmillan Co., London. pp. 377-401, 1966.
52. Markovits, G.; Kertes, A.S. Association of long-chain tertiary amine salts in hydrocarbons. In *Solvent Extraction Chemistry*. Dyrssen, D., et al., eds. North-Holland. Amsterdam. pp. 390-397, 1967.
53. Kertes, A.S.; Markovits, G. Activity coefficient of long-chain alkylammonium extracts in nonpolar solvents. In *Thermodynamics of Nuclear Materials*. IAEA. Vienna. pp. 227-235, 1967.
54. Mayer, I.; Markovits, G.; Kertes, A.S. X-ray study of solid trilaurylamine salts. *J. Inorg. Nucl. Chem.* 1967, *29*, 1377-1380.
55. Kertes, A.S.; Markovits, G. Activity coefficients. Aggregation and thermodynamics of tridodecylammonium salts in nonpolar solvents. *J. Phys. Chem.* 1968, *72*, 4202-4210.
56. Mayer, I.; Gutmann, H.; Kertes, A.S. X-ray study of long-chain secondary ammonium halides. *J. Appl. Crystallogr.* 1968, *1*, 323-326.
57. Kertes, A.S.; Gutmann, H.; Levy, O.; Markovits, G. The strength of the hydrogen bond in long-chain normal aliphatic amine salts. *Isr. J. Chem.* 1968, *6*, 463-468.

58. Gutmann, H.; Kertes, A.S. Thermal stability of long-chain aliphatic amine salts. *J. Inorg. Nucl. Chem.* 1969, 31, 205-211.
59. Levy, O.; Kertes, A.S. Preparation and identification of long-chain alkylammonium tetrahaloferrates. *J. Inorg. Nucl. Chem.* 1969, 31, 888-890.
60. Marcus, Y.; Kertes, A.S. *Ion Exchange and Solvent Extraction of Metal Complexes*. Wiley-Interscience. New York. 1969. 1050 pp.
61. Kertes, A.S.; Marcus, Y., eds. *Solvent Extraction Research*. New York. 1969. 439 pp.
62. Kertes, A.S.; Levy, O.; Markovits, G. Dielectric constant measurements of long-chain alkylammonium salts in benzene. *Proc. Int. Conf. Solvent Extr. Chem.*, 5th, 1968 Kertes, A.S.; Marcus, Y., eds. Wiley-Interscience. New York. pp. 177-83, 1969.
63. Kassierer, F.; Kertes, A.S. Infrared spectra of solid synergistic adducts. *Proc. Int. Conf. Solvent Extr. Chem.*, 5th, 1968 Kertes, A.S.; Marcus, Y., eds. Wiley-Interscience. New York. pp. 305-312, 1969.
64. Mayer, I.; Gutmann, H.; Kertes, A.S. X-ray study of long-chain normal alkylammonium salts. *Proc. Int. Conf. Solvent Extr. Chem.*, 5th, 1968 Kertes, A.S.; Marcus, Y., eds. Wiley-Interscience. New York. pp. 195-200, 1969.
65. Lobel, E.; Zangen, M.; Kertes, A.S. Mixed complexes of gallium. I. With thenoyltrifluoroacetone and bromide. *J. Inorg. Nucl. Chem.* 1970, 32, 483-491.
66. Ferraro, J.B.; Kertes, A.S.; Siegel, S.; Tani, B. Bis(L-alpha-alaninato) nickel(II) tetrahydrate. *J. Inorg. Nucl. Chem.* 1970, 32, 2784-2788.
67. Kertes, A.S.; Levy, O.; Markovits, G. Aggregation of alkylammonium tetrahaloferrates in benzene. *J. Phys. Chem.* 1970, 74, 3568-3571.
68. Kertes, A.S. The Chemistry of Solvent Extraction. In *Recent Advances in Liquid-Liquid Extraction*. Hanson, C., ed. Pergamon Press. Oxford. 1970, pp. 16-92.
69. Kassierer, F.; Kertes, A.S. Mixed complexes in solvent extraction. Synergistic adducts of lanthanides with two bidentate ligands. *Proc. Symp. Coord. Chem.*, 3rd, 1970 Beck, M.T., ed. Akademiai Kiado. Budapest. 1970, pp. 119-132.
70. Kertes, A.S.; Levy, O.; Markovits, G. Molecular association and the dielectric constant of long-chain alkylammonium salts in benzene. *J. Phys. Chem.* 1971, 75, 542-547.
71. Gutmann, H.; Kertes, A.S. Conductance and association of secondary and tertiary alkylammonium salts in organic solvents. *Isr. J. Chem.* 1971, 8, 947-950.
72. Kertes, A.S. Complexes of actinides in molten salts. *Actinides Rev.* 1971, 1, 371-407.
73. Kertes, A.S.; Gutmann, H.; Mayer, I. X-ray study of primary long-chain alkylammonium halides. *J. Appl. Crystallogr.* 1971, 93-95.
74. Levy, O.; Markovits, G.; Kertes, A.S. Aggregation equilibria in solvent extraction of iron (III) halides. *J. Inorg. Nucl. Chem.* 1971, 33, 551-557.
75. Marcus, Y.; Hoffman, E.; Kertes, A.S. Abbreviations for commonly used non-chelating extractants. *J. Inorg. Nucl. Chem.* 1971, 33, 863-867.
76. Kertes, A.S. Correlation of heat of formation data for organophosphorus and alkylamine extractants. *J. Inorg. Nucl. Chem.* 1972, 34, 796-800.

77. Kertes, A.S.; Foos, J.; Levy, O.; Guillaumont, R. Redox extraction in liquid metal (Pb-Bi), molten salt (AlCl_3 -LiCl) systems. *J. Inorg. Nucl. Chem.* 1972, *34*, 321-327.
78. Kassierer, E.F.; Kertes, A.S. Displacement of water in synergic extraction systems. *J. Inorg. Nucl. Chem.* 1972, *34*, 778-780.
79. Kassierer, E.F.; Kertes, A.S. Synergic extraction of some lanthanides and transition metals by two bidentate chelating agents. *J. Inorg. Nucl. Chem.* 1972, *34*, 3221-3231.
80. Kertes, A.S.; Kassierer, E.F. Thermochemistry of lanthanide complexes in thenoyltrifluoroacetone-bipyridyl system. *Inorg. Chem.* 1972, *11*, 2108-2111.
81. Kassierer, E.F.; Kertes, A.S. Thermodynamics of solvent extraction processes. Synergic adducts of copper and zinc diketonates with bidentate nitrogen bases. *J. Inorg. Nucl. Chem.* 1972, *34*, 3209-3214.
82. Grauer, F.; Kertes, A.S. Heats of mixing of tri-*n*-dodecylamine with *n*-octane, benzene or chlorobenzene. *J. Chem. Eng. Data* 1973, *18*, 405-407.
83. Kertes, A.S.; Grauer, F. Effect of chain length on heats of mixing in tri-*n*-alkylamine-benzene systems. *J. Phys. Chem.* 1973, *77*, 3107-3110.
84. Kertes, A.S.; Gutmann, H.; Levy, O.; Markovits, G.Y. Aggregation of cationic amphiphiles in organic solvents. *Chemie Physikalische Chemie und Anwendungstechnik der grenzflächenaktiven Stoffe*. Carl Hansen Verlag. Munich. pp. 1023-1033, 1973.
85. Grauer, F.; Kertes, A.S. Formation of trialkylammonium chlorides in dry and wet benzene. *Proceedings, ISEC 1974*. Soc. Chem. Ind. London. pp. 1441-1450, 1974.
86. David-Auslaender, J.; Zangen, M.; Kertes, A.S. Solvent extraction from molten salts. X. Extraction of perrhenate by alkylammonium salts. *J. Inorg. Nucl. Chem.* 1974, *36*, 425-430.
87. Zangen, M.; David-Auslaender, J.; Kertes, A.S. Solvent extraction from molten salts. XI. Extraction of cobalt(II) by di-*n*-dodecylammonium thiocyanate. *J. Inorg. Nucl. Chem.* 1974, *36*, 218-220.
88. David-Auslaender, J.; Gutmann, H.; Kertes, A.S.; Zangen, M. Non-ideal behavior of alkylammonium salts in organic solvents at elevated temperatures. *J. Solution Chem.* 1974, *3*, 251-260.
89. Foos, J.; Kertes, A.S.; M. Peleg. Spectra of neodymium(III) in nitrate-water and nitrate-chloride melts. *J. Inorg. Nucl. Chem.* 1974, *36*, 837-840.
90. Markovits, G.Y.; Levy, O.; Kertes, A.S. Cationic surfactants in organic solvents. II. Viscosity and conductance of trilaurylammonium salts in carbon tetrachloride and benzene. *J. Colloid Interface Sci.* 1974, *47*, 424-430.
91. Tsimering, L.; Kertes, A.S. Excess enthalpies of tri-*n*-butylphosphate + hydrocarbons. *J. Chem. Thermodyn.* 1974, *6*, 411-415.
92. Tsimering, L.; Kertes, A.S. Correlation of excess enthalpies of mixing in the tributyl phosphate-*n*-alkane system. *Proc. Int. Solvent Extr. Conf.* 1974, *2*, 1433-1440. Geffreys, G.V., ed. Soc. Chem. Ind. London.
93. Marcus, Y.; Kertes, A.S.; Yanir, E. *IUPAC Chemical Data Series. No. 15. Pt. 1. Equilibrium Constants of Liquid-Liquid Distribution Reactions. Organophosphorus Extractants*. Butterworths. London. 1974. 85 pp.
94. Kertes, A.S.; Marcus, Y.; Yanir, E. *IUPAC Chemical Data Series. No. 15. Pt. 2. Equilibrium Constants of Liquid-Liquid Distribution Reactions. Alkylammonium Extractants*. Butterworths. London. 1974. 85 pp.

95. Kertes, A.S.; Gutmann, H. Surfactants in Organic Solvents: The Physical Chemistry of Aggregation and Micellization. In *Surface and Colloid Science*. Matijevic, E., ed. Wiley-Interscience. New York. Vol. 8, Chapter 3. pp. 193-295, 1975.
96. Kertes, A.S.; Levy, O.; Markovits, G. Solubility. In *Experimental Thermodynamics*. Le Neindre, B.; Vodar, B., eds. Butterworths. London. Vol. II, Chapter 15, pp. 725-748, 1975.
97. Kertes, A.S.; Levy, O.; Markovits, G.Y. Aggregation of alkylammonium bisulfate in benzene. In *Proceedings. Colloid and Surface Science*. Wolfram, E., ed. Akademiai Kiado. Budapest. pp. 497-500, 1975.
98. Gutmann, H.; Kertes, A.S. Cationic surfactants in organic solvents. III. Critical micelle concentration of dodecylammonium halides in benzene and toluene. *J. Colloid Interface Sci.* 1975, *51*, 406-411.
99. Tsimering, L.; Kertes, A.S. Correlation of excess enthalpies of mixing in tributyl-phosphate-n-alkane system. *Thermochim. Acta* 1975, *12*, 206-208.
100. Kertes, A.S.; Jernstrom, B.; Friberg, S. Solubilization in the four-component system: water - alkali soap - fatty acid - carbon tetrachloride. *J. Colloid Interface Sci.* 1975, *52*, 122-128.
101. David-Auslaender, J.; Zangen, M.; Kertes, A.S. Solvent extraction from molten salts. XII. Extraction of lutetium by dialkylammonium thiocyanates. *Bull. Soc. Chim. Belg.* 1975, *84*, 541-547.
102. Kertes, A.S. Excess enthalpy. Tri-n-dodecylamine-n-octane system. *Int. Data Ser., Sel. Data Mixtures, Ser. A.* 1974 (pub. 1975), (2), 151.
103. Kertes, A.S. Excess enthalpy. Tri-n-dodecylamine-benzene system. *Int. Data Ser., Sel. Data Mixtures, Ser. A.* 1974 (pub. 1975), (2), 152.
104. Kertes, A.S. Excess enthalpy. Tri-n-dodecylamine-chlorobenzene system. *Int. Data Ser., Sel. Data Mixtures, Ser. A.* 1974 (pub. 1975), (2), 153.
105. Kertes, A.S. Excess enthalpy. Tributylamine-benzene system. *Int. Data Ser., Sel. Data Mixtures, Ser. A.* 1974 (pub. 1975), (3), 209.
106. Kertes, A.S. Excess enthalpy. Tri-n-octylamine-benzene system. *Int. Data Ser., Sel. Data Mixtures, Ser. A.* 1974 (pub. 1975), (3), 210.
107. Kertes, A.S. Excess enthalpy. Tributylphosphate-n-hexane system. *Int. Data Ser., Sel. Data Mixtures, Ser. A.* 1974 (pub. 1975), (3), 211.
108. Kertes, A.S. Excess enthalpy. Tributylphosphate-n-dodecane system. *Int. Data Ser., Sel. Data Mixtures, Ser. A.* 1974 (pub. 1975), (3), 212.
109. Kertes, A.S. Excess enthalpy. Tributylphosphate-benzene system. *Int. Data Ser., Sel. Data Mixtures, Ser. A.* 1974 (pub. 1975), (3), 213.
110. Kertes, A.S.; Tsimering, L.; Grauer, F. Heat of solution of extractants in hydrocarbon solvents. *J. Inorg. Nucl. Chem.* 1975, *38*, 867-869.
111. Gilson, D.F.R.; Kertes, A.S.; Manley, R. St. J.; Tsau, J.; G. Donay. Polymorphism in n-alkylammonium chlorides: X-ray powder diffraction studies. *Can. J. Chem.* 1976, *54*, 765-768.
112. Grauer, F.; Kertes, A.S. Thermodynamics of neutralization of alkylamines by hydrogen halides in benzene. *J. Phys. Chem.* 1976, *80*, 1937-1941.
113. Kertes, A.S. Aggregation of surfactants in hydrocarbons. Incompatibility of the critical micelle concentration concept with experimental data. In *Micellization. Solubilization and Microemulsions*. Mittal, K.L., ed. Plenum Publ. Co. New York. Vol. 1. pp. 445-454, 1977.
114. Kertes, A.S. *Critical Evaluation of Some Equilibrium Constants Involving Alkylammonium Extractants*. Pergamon. Oxford. 1977. 46 pp.

115. Marcus, Y.; Yanir, E.; Kertes, A.S. *IUPAC Chemical Data Series. No. 15. Pt. 3. Equilibrium Constants of Liquid-Liquid Distribution Reactions, Compound Forming Extractants, Solvating Solvents, and Inert Solvents.* Pergamon. Oxford. 1977. 46 pp.
116. Kertes, A.S.; Battino, R.; Clever, H.L.; Davis, S.S.; Gerrard, W.; Sigworth, G.K.; Young, C.L. *Solubility Data Project. Compilation and critical evaluation of solubility data in all physical systems.* *Proc. Bienn. CODATA Conf., 5th, 1976.* Dreyfus, B., ed. Pergamon Press. Oxford. pp. 217-225, 1977; *CODATA Bull.* 1976, 21, 74-81.
117. Kertes, A.S.; Tsimering, L. Enthalpies of mixing and solution in trialkyl phosphate-water systems. *J. Phys. Chem.* 1977, 81, 120-125.
118. Tsimering, L.; Kertes, A.S. Enthalpies of mixing of tributylphosphate with hydrogen-bonding solvents. *J. Chem. Eng. Data* 1977, 22, 163-164.
119. Kertes, A.S.; Tsimering, L. Thermodynamics of solvent extraction processes. Heat capacities, heats of mixing and solution of organophosphorus extractants in dodecane. *J. Inorg. Nucl. Chem.* 1977, 39, 649-651.
120. Kertes, A.S.; Grauer, F. Enthalpy of formation of tridodecylammonium chloride and its enthalpy of solution in benzene. *J. Chem. Thermodyn.* 1977, 9, 507-510.
121. Kertes, A.S. Barriers in the flow of numerical data from primary to secondary to tertiary literature. A case history. In *Scientific Information Transfer. The Editor's Role.* Balaban, M. ed. D. Reidel. Dordrecht. Holland. pp. 329-336, 1978.
122. Kertes, A.S.; Grauer, F. Thermodynamics of solvent extraction processes. Effect of diluent on the enthalpy of formation of tri-n-octylammonium chloride. *J. Inorg. Nucl. Chem.* 1978, 40, 1781-1782.
123. Hong, Chia-Swee; Finston, H.L.; Williams, E.T.; Kertes, A.S. Homogenous liquid-liquid extraction of metal thenoyltrifluoroacetates. *J. Inorg. Nucl. Chem.* 1979, 41, 420-421.
124. Kertes, A.S.; Davies, S.S. Intellectual and scholarly judgement in critical evaluation of numerical data. A case history. In *Proc. 6th CODATA Conf.* Dreyfus, B., ed. Pergamon Press. Oxford. pp. 189-196, 1979.
125. Kertes, A.S. Tar recovery from tar sands. *Israeli* 47,818, 30 Nov. 1979.
126. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. Helium and Neon.* Vol. 1. Clever, H.L., ed. IUPAC-Pergamon Press. Oxford. 1979. 393 pp.
127. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. Krypton, Xenon and Radon.* Vol. 2. Clever, H.L., ed. IUPAC-Pergamon Press. Oxford. 1979. 357 pp.
128. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. Silver Azide, Cyanide, Cyanamides, Cyanate, Selenocyanate and Thiocyanate.* Vol. 3. Salomon, M., ed. IUPAC-Pergamon Press. Oxford. 1979. 247 pp.
129. Kertes, A.S.; Chaston, S.; Lai, Wen Chao. Thermodynamics of microemulsion systems. I. Enthalpies of solution in binary and ternary systems of octane, octanol and octanoic acid. *J. Colloid Interface Sci.* 1980, 73, 94-104.
130. Kertes, A.S.; Lai, Wen Chao. Thermodynamics of microemulsion systems. II. Enthalpies of solution in aqueous sodium chloride & 2 propanol systems. *J. Colloid Interface Sci.* 1980, 76, 48-54.
131. Kertes, A.S.; Lai, Wen Chao. Thermodynamics of microemulsion systems. III. Enthalpies of transfer of alcohol cosurfactants in aqueous electrolyte-hydrocarbon systems. *Colloids Surf.* 1980, 1, 197-208.
132. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. Argon.* Vol. 4. Clever, H.L., ed. IUPAC-Pergamon Press. Oxford. 1980. 331 pp.

133. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. Alkali Metal, Alkaline-Earth Metal and Ammonium Halides, Amide Solvents*. Vol. 11. Scrosati, B.; Vincent, C.A.; eds. IUPAC-Pergamon Press. Oxford. 1980. 354 pp.
134. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. Hydrogen and Deuterium*. Vol. 5/6. Young, C.L., ed. IUPAC-Pergamon Press. Oxford. 1981. 646 pp.
135. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. Oxygen and Ozone*. Vol. 7. Battino, R., ed. IUPAC-Pergamon Press. Oxford. 1981. 519 pp.
136. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. Tetraphenylborates*. Vol. 18. Popovych, O., ed. IUPAC-Pergamon Press. Oxford. 1981. 242 pp.
137. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. Oxides of Nitrogen*. Vol. 8. Young, C.L., ed. IUPAC-Pergamon Press. Oxford. 1981. 369 pp.
138. Kertes, A.S.; M. Folman, eds. *Proc. Fourth Intern. Conf. Surface and Colloid Science. Pure Applied Chem.* 1981, 53, 2023-2282.
139. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. Ethane*. Vol. 9. Hayduk, W., ed. IUPAC-Pergamon Press. Oxford. 1982. 263 pp.
140. Kertes, A.S.; Lai, W.C. Enthalpies of solution of benzene, trichloromethane and tetrachloromethane in liquid carboxylic acids. *J. Chem. Thermodyn.* 1982, 14, 601-602.
141. Lai, W.C.; Kertes, A.S. Thermodynamics of microemulsion systems. IV. Enthalpies of solution of fatty acid cosurfactants in hydrocarbon oils. *Colloids Surf.* 1982, 4, 379-387.
142. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. Nitrogen and Air*. Vol. 10. Battino, R., ed. IUPAC-Pergamon Press. Oxford. 1982. 570 pp.
143. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. Sulfur Dioxide, Chlorine, Fluorine and Chlorine Oxides*. Vol. 12. Young, C.L., ed. IUPAC-Pergamon Press. Oxford. 1983. 477 pp.
144. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. Scandium, Yttrium, Lanthanum and Lanthanide Nitrates*. Vol. 13. Siekierski, S.; Mioduski, T.; Salomon, M., eds. IUPAC-Pergamon Press. Oxford. 1983. 490 pp.
145. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. Alkaline Earth Metal Halates*. Vol. 14. Miyamoto, H.; Salomon, M.; Clever, H.L., eds. IUPAC-Pergamon Press. Oxford. 1983. 332 pp.
146. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. Alcohols with Water*. Vol. 15. Barton, A.F.M., ed. IUPAC-Pergamon Press. Oxford. 1984. 438 pp.
147. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. Antibiotics: I. β -Lactam Antibiotics*. Vols. 16/17. Tomlinson, E.; Regosz, A., eds. IUPAC-Pergamon Press. Oxford. 1984. 790 pp.
148. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. Cumulative Index*. Vols. 1 - 18. Vol. 19. Young, C.L., ed. IUPAC-Pergamon Press. Oxford. 1985. 300 pp.
149. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. Halogenated Benzenes, Toluenes and Phenols with Water*. Vol. 20. Horvath, A.L.; Getzen, F.W., eds. IUPAC-Pergamon Press. Oxford. 1985. 266 pp.
150. Kertes, A.S.; Wolman, Y. Continuous and current updating of numerical databases. In *The Role of Data in Scientific Progress*. Glaesser, P.S., ed. Elsevier Science Publishers. Amsterdam. pp. 481-483, 1985.

151. Kertes, A.S.; Tsimering, L.; Garti, N. Enthalpies of solution in sodium octanoate, water and alcohol mixtures. *Colloid Polym. Sci.* 1985, *263*, 67-74.
152. Kertes, A.S.; Guillaumont, R. Solubility of Uranium(IV) Oxide. A comparative review. *Nucl. Chem. Waste Manage.* 1985, *51*, 215-219.
153. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. Ammonia, Amines, Phosphine, Arsine, Stibine, Silane, Germane and Stannane in Organic Solvents.* Vol. 21. eds. Young, C.L.; Fogg, P.G.T., eds. IUPAC-Pergamon Press. Oxford. 1985. 344 pp.
154. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. Scandium, Yttrium, Lanthanum and Lanthanide Halides in Nonaqueous Solvents.* Vol. 22. Mioduski, T.; Salomon, M., eds. IUPAC-Pergamon Press. Oxford. 1985. 398 pp.
155. Kertes, A.S.; King, C.J. Extraction chemistry of fermentation-product carboxylic acids. *Biotechnol. Bioeng.* 1986, *2*, 269-282.
156. Kertes, A.S.; King, C.J. Extraction chemistry of low molecular-weight aliphatic alcohols. Lawrence Berkeley Laboratory Report. LBL-21210. March, 1986. 102 pp.; *Chem. Rev.* 1987, *87*, 687-710.
157. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. Copper, Silver, Gold and Zinc, Cadmium and Mercury Oxides and Hydroxides.* Vol. 23. Dirkse, T.P., ed. IUPAC-Pergamon Press. Oxford. 1986. 360 pp.
158. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. Propane, Butane and 2-Methylpropane.* Vol. 24. Hayduk, W., ed. IUPAC-Pergamon Press. Oxford. 1986. 447 pp.
159. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. Metals in Mercury.* Vol. 25. Hirayama, C.; Galus, Z.; Guminski, C., eds. IUPAC-Pergamon Press. Oxford. 1986. 451 pp.
160. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. Sulfites, Selenites and Tellurites.* Vol. 26. Masson, M.R.; Lutz, H.D.; Engelen, B., eds. IUPAC-Pergamon Press. Oxford. 1986. 451 pp.
161. Kertes, A.S. Accessibility and Retrieval of Data in Separation Chemistry and Technology. In *Chemical Separations. Vol. I. Principles.* King, C.J.; Navratil, J.D., eds. Litarvan Literature. Denver. 1986.
162. Mackay, R.A.; Dixit, N.S.; Hermansky, C.; Kertes, A.S.; Conductivity and Diffusion measurements in Micellar and O/W Microemulsion Systems. A Comparative Study. *Colloids Surf.* 1986, *21*, 27-39.
163. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. Methane.* Vol. 27/28. Clever, H.L.; Young, C.L., eds. IUPAC-Pergamon Press. Oxford. 1987. 783 pp.
164. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. Mercury in Liquids, Compressed Gases, Molten Salts and Other Elements.* Vol. 29. Clever, H.L., ed. IUPAC-Pergamon Press. Oxford. 1987. 255 pp.
165. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. Alkali Metal Halates, Ammonium Iodate and Iodic Acid.* Vol. 30. Miyamoto, H.; Salomon, M., eds. IUPAC-Pergamon Press. Oxford. 1988. 510 pp.
166. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. Alkali Metal Orthophosphates.* Vol. 31. Eysseltoová, J.; Dirkse, T.P., eds. IUPAC-Pergamon Press. Oxford. 1988. 348 pp.
167. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. Hydrogen Sulfide, Deuterium Sulfide and Hydrogen Selenide.* Vol. 32. Fogg, P.G.T.; Young, C.L., eds. IUPAC-Pergamon Press. Oxford. 1988. 352 pp.
168. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. Molten Alkali Metal Alkanoates.* Vol. 33. Franzosini, P., ed. IUPAC-Pergamon Press. Oxford. 1988. 348 pp.

169. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. 4-Aminobenzenesulfonamides. Part I. Non-cyclic Substituents. Vol. 34.* Paruta, A.N.; Piekos, R., eds. IUPAC-Pergamon Press. Oxford. 1988. 347 pp.
170. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. 4-Aminobenzenesulfonamides. Part II. 5-Membered Heterocyclic Substituents. Vol. 35.* Paruta, A.N.; Piekos, R., eds. IUPAC-Pergamon Press. Oxford. 1988. 343 pp.
171. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. 4-Aminobenzenesulfonamides. Part III. 6-Membered Heterocyclic Substituents and Miscellaneous Systems. Vol. 36.* Paruta, A.N.; Piekos, R., eds. IUPAC-Pergamon Press. Oxford. 1988. 528 pp.
172. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. Hydrocarbons with Water and Seawater. Part I: Hydrocarbons C₅ to C₇.* Vol. 37. Shaw, D.G., ed. IUPAC-Pergamon Press. Oxford. 1988. 527 pp.
173. Kertes, A.S., Editor-in-Chief. *Solubility Data Series. Hydrocarbons with Water and Seawater. Part I: Hydrocarbons C₈ to C₃₆.* Vol. 38. Shaw, D.G., ed. IUPAC-Pergamon Press. Oxford. 1988. 560 pp.