

## References

---

1. Franck, E. U., *Proc. 13th Int. Conference on the Properties of Water and Steam*, Tremaine, P. R., Hill, Ph. G., Irish, D. E., Balakrishnan, P. V., Eds., NRC Research Press, Ottawa, 2000, pp. 22–34.
2. Pitzer, K. S., *J. Chem. Thermodyn.*, 1993, Vol. 25, p. 7.
3. Bischoff, L. G., Pitzer, K. S., *Earth Planet. Sci. Lett.*, 1985, Vol. 75, p. 327.
4. Delaney, J. R., Mogk, D. W., Mottl, M. J., *J. Geophys. Res.*, 1987, Vol. 92, p. 9175.
5. Penniger, J. M. L., *Supercritical Fluid Technology*, Penninger, J. M. L., Rodosz, M., McHugh, M. A., Krukoni, V. J., Eds., Elsevier, New York, 1987, p. 309.
6. Naragan, R., Antol, M. J., *Supercritical Fluid Science and Technology*, Joohnston, K. P., Penninger, J. M. L., Eds., ACS Symp. Ser., Washington, DC, 1989, p. 226.
7. Modell, M., Gaudet, G. G., Simson, M., Hong, G. T., Bieman, K., *Supercritical Water. Solid Wastes Management*, 1982, pp. 26–30.
8. Thomason, T. B., Modell, M., *Hazardous Wastes*, 1984, Vol. 1, p. 453.
9. Staszak, C. N., Malinaaski, K. C., Killilea, W. R., *Environ. Prog.*, 1987, Vol. 6, p. 39.
10. Shaw, R. V., Brill, N. B., Clifford, A. A., Eckert, C. A., Franck, E. U., *Chem. Eng. News*, 1991, Vol. 69, p. 36.
11. Barner, H. E., Huang, C. Y., Johnson, T., Jacobs, G., Martch, M. A., *J. Hazardous Mater.*, 1992, Vol. 32, p. 1.
12. Doscher, T. M., El-Arabi, M., *Oil Gas J.*, 1982, Vol. 80, p. 144.
13. De Fillipi, R. P., Krukoni, V. J., Modell, M., Environ. Protect. Agency Report No. EPA-60012-80-054, 1980.
14. Matson, D. W., Peterson, R. C., Smith, R. D., *Adv. Cer. Mat.*, 1986, Vol. 1, p. 242.

15. Yonker, C. R., Wright, R. W., Frye, S. L., Smith, R. D., *Supercritical Fluids*, Squires, T. G., Paulaitis, M. E., Eds., ACS Symp. Ser., 1987, No. 329, p. 172.
16. Kim, S., Johuston, K. P., *Supercritical Fluids*, Squires, T. G., Paulaitis, M. E., Eds., ACS Symp. Ser., 1987, No. 329, p. 42.
17. Kumar, S. K., Suter, V. W., Reid, R. C., *Fluid Phase Equilibria*, 1986, Vol. 29, p. 373.
18. *Supercritical Fluid Technology*, Bright, F. V., McNally, M. E. P., Eds., ACS Symp. Ser., Washington, DC, 1992.
19. *Supercritical Fluid Engineering Science*, Kiran E., Brennecke, J. F., Eds., ACS Symp. Ser., Washington, DC, 1993, No. 514.
20. *Supercritical Fluid Science and Technology*, Johnston, K. P., Penninger, J. M. L., Eds., ACS Symp. Ser., Washington, DC, 1989, No. 406.
21. *The Theory and Practice in Supercritical Fluid Technology*, Hirota, M., Ishikawa, T., Eds., NTS, Tokyo, 1987, Part 1, Ch. 1.
22. *Supercritical Fluids. Fundamentals for Application*, Kiran, E., Levelt-Sengers, J. M. H., Eds., NATO ASI Ser., 1993, Vol. 273.
23. Connolly, J. F., *J. Chem. Eng. Data*, 1966, Vol. 11, p. 13.
24. Gao, J., *J. Am. Chem. Soc.*, 1993, Vol. 115, p. 6893.
25. Hawtherne, S. B., *Anal. Chem.*, 1990, Vol. 62, p. 633A.
26. Hawtherne, S. B., Yang, Yu., Miller, D. J., *Anal. Chem.*, 1994, Vol. 66, p. 2912.
27. Chester, T. L., Pinkston, J. D., Raynie, D. E., *Anal. Chem.*, 1992, Vol. 64, p. 153R.
28. Alexandrou, N., Pawliszyn, J., *Anal. Chem.*, 1992, Vol. 64, p. 301.
29. Garcia, M., de Lucas, A., Valverde, J. L., Rodriguez J. F., *J. Chem. Eng. Data*, 2000, Vol. 45, p. 540.
30. Siskin, M., Katritzky, A. R., *Science*, 1991, Vol. 254, p. 231.
31. Levelt-Sengers, J. M. H., Morrison, G., Nielson, G., Chang, R. F., Everhart, C. M., *Int. J. Thermophys.*, 1986, Vol. 7, p. 231.
32. Chang, R. F., Morrison, G., Levelt-Sengers, J. M. H., *J. Phys. Chem.*, 1984, Vol. 88, p. 3389.
33. Levelt-Sengers, J. M. H., *J. Supercritical Fluids*, 1991, Vol. 4, p. 215.
34. Harvey, A. H., Levelt-Sengers, J. M. H., *J. Phys. Chem.*, 1991, Vol. 95, p. 932.
35. Levelt-Sengers, J. M. H., *Supercritical Fluid Technology*, Ely, J. F., Bruno, T. J., Eds., CRC Press, Boca Raton, FL, 1991, p. 1.
36. Chang, R. F., Levelt-Sengers, J. M. H., *J. Phys. Chem.*, 1986, Vol. 90, p. 5921.
37. Chialvo, A. A., Cummings, P. T., *AIChE J.*, 1994 Vol. 40, p. 1558.
38. Cummings, P. T., Chialvo, A. A., *Chem. Eng. Sci.*, 1994, Vol. 49, p. 2735.
39. Chialvo, A. A., Cummings, P. T., *Mol. Phys.*, 1995, Vol. 84, p. 41.
40. Debenedetti, P. G., Kumar, S. K., *AIChE J.*, 1984, Vol. 34, p. 645.
41. Debenedetti, P. G., Mohamed, R. S., *J. Chem. Phys.*, 1989, Vol. 90, p. 4528.
42. McGuigan, D. B., Monson, P. A., *Fluid Phase Equilibria*, 1990, Vol. 57, p. 227.
43. Abdulagatov, I. M., Bazaev, A. R., Ramazanov, A. E., *Int. J. Thermophys.*, 1993, Vol. 14, p. 231.
44. Abdulagatov, I. M., Bazaev, A. R., Ramazanov, A. E., *J. Chem. Thermodyn.*, 1993, Vol. 25, p. 249.
45. Abdulagatov, I. M., Bazaev, A. R., Ramazanov, A. E., *Ber. Bunsenges. Phys. Chem.*, 1994, Vol. 98, p. 1596.
46. Abdulagatov, I. M., Bazaev, A. R., Gasanov, R. K., Ramazanov, A. E., *J. Chem. Thermodyn.*, 1996, Vol. 28, p. 1037.
47. Abdulagatov, I. M., Bazaev, A. R., Gasanov, R. K., Bazaev, E. A., Ramazanov, A. E., *J. Supercritical Fluids*, 1997, Vol. 10, p. 149.
48. Abdulagatov, I. M., Bazaev, A. R., Gasanov, R. K., Bazaev, E. A., Ramazanov, A. E., *High Temperatures — High Pressures*, 1997, Vol. 29, p. 137.

49. Abdulagatov, I. M., Bazaev, A. R., Bazaev, E. A., Khokhlachev, S. P., Saidakhmedova, M. B., Ramazanova, A. E., *J. Solution Chem.*, 1998, Vol. 27, p. 729.
50. Abdulagatov, I. M., Bazaev, A. R., Bazaev, E. A., Saidakhmedova, M. B., Ramazanova, A. E., *J. Chem. Eng. Data*, 1998, Vol. 43, p. 451.
51. Abdulagatov, I. M., Bazaev, A. R., Bazaev, E. A., Saidakhmedova, M. B., Ramazanova, A. E., *Fluid Phase Equilibria*, 1994, Vol. 150, p. 537.
52. Abdulagatov, I. M., Bazaev, E. A., Bazaev, A. R., Rabezki, M. G., *J. Supercritical Fluids*, 2001, Vol. 19, p. 219.
53. Bazaev, A. R., Abdulagatov, I. M., Magee, J. W., Rabezki, M. G., Bazaev, E. A., *J. Chem. Eng. Data*, 2001, Vol. 46, p. 1089.
54. Rabezki, M. G., Bazaev, A. R., Abdulagatov, I. M., Magee, J. W., Bazaev, E. A., *J. Chem. Eng. Data*, 2001, Vol. 46, p. 1610.
55. Bazaev, A. R., Abdulagatov, I. M., Magee, J. W., Bazaev, E. A., Rabezki, M. G., Ramazanova, A. E. *J. Supercritical Fluids*, 2003, Vol. 26, p. 115.
56. Smith, L. B., Keyes, F. G., *Proc. Am. Acad. Arts Sci.*, 1935, Vol. 69, p. 285.
57. Rivkin, S. L., Akhundov, T. S., *Teploenergetika*, 1962, Vol. 9, No. 1, p. 57.
58. Rivkin, S. L., Akhundov, T. S., *Teploenergetika*, 1963, Vol. 10, No. 9, p. 66.
59. Rivkin, S. L., Troyanovskaya, G. V., Akhundov, T. S., *Russ. J. High Temp.*, 1964, Vol. 2, p. 219.
60. Rivkin, S. L., Troyanovskaya G. V., *Teploenergetika*, 1964, Vol. 11, No. 10, p. 72.
61. Rivkin, S. L., Akhundov T. S., Kremnikovskaya, E. A., Asadullaeva, N. N., *Teploenergetika*, 1966, Vol. 13, No. 4, p. 59.
62. Hanafusa, H., Tsuchida, T., Kawai, K., Sato, H., Uematsu, M., Watanabe, K., *High Temperatures — High Pressures*, 1983, Vol. 15, p. 311.
63. Hanafusa, H., Tsuchida, T., Kawai, K., Sato, H., Uematsu, M., Watanabe, K., *Proc. 10th Int. Conference on the Properties of Steam*, Sychev, V. V., Aleksandrov, A. A., Eds., Mir, Moscow, 1986, Vol. 1, p. 180.
64. Kell, G. S., McLaurin, G. E., Whalley, E., *Proc. 8th Int. Conference on the Properties of Water and Steam*, Giens, France, 1974, Vol. 1, p. 354.
65. Morita, T., Sato, H., Uematsu, M., Watanabe, K., *Physica A*, 1989, Vol. 156, p. 436.
66. Keyes, F. G., Smith, L. B., Gerry, H. T., *Proc. Am. Acad. Arts Sci.*, 1935, Vol. 70, p. 319.
67. Rivkin, S. L., Akhundov, T. S., *Teploenergetika*, 1962, Vol. 9, No. 5, p. 62.
68. Rivkin, S. L., Akhundov, T. S., *Atomn. Energet.*, 1963, Vol. 14, No. 6, p. 581.
69. Tsederberg, N. V., Aleksandrov, A. A., Khasanshin, T. S., Larkin, D. K., *Teploenergetika*, 1973, Vol. 20, No. 8, p. 13.
70. Kell, G. S., McLaurin, G. E., Whalley, E., *Proc. Roy. Soc. London A*, 1989, Vol. 425, p. 49.
71. Alexandrov, A. A., Khasanshin, T. S., Larkin, D. K., Report to Working Group, IAPWS, April 1976.
72. Alexandrov, A. A., Khasanshin, T. S., Larkin, D. K., *Russ. J. Phys. Chem.*, 1976, Vol. 50, p. 394.
73. Juza, J., Kmonicek, V., Sifner, O., Schovanec, K., *Physica*, 1966, Vol. 32, p. 362.
74. Mamedov, A. M., Akhundov, T. C., *Thermodynamic Properties of Gases and Liquids. Aromatic Hydrocarbons*, GSSSD, Moscow, 1978.
75. Akhundov, T. S., Asadullaev, N. N., *Izv. Vyssh. Uchebn. Zaved., Neft' Gaz*, 1968, Vol. 6, p. 83.
76. Akhundov, T. S., *Izv. Vyssh. Uchebn. Zaved., Neft' Gaz*, 1973, Vol. 11, p. 20.
77. Akhundov, T. S., Amanov, Sh. Yu., *Thermophysical Properties of Liquids*, Nauka, Moscow, 1970, p. 48.
78. Oliver, G. D., Grisar, J. W., *J. Am. Chem. Soc.*, 1956, Vol. 78, p. 561.

79. Rose-Innes, J., Young, S., *Philos. Mag.*, 1899, Vol. 47, p. 353.
80. Grigor'ev, B. A., Kurumov, D. S., Abdulagatov, I. M., Vasil'ev, Yu. L., *Russ. J. High Temp.*, 1986, Vol. 24, p. 1096.
81. Sage, B. H., Lacey, W. N., *Thermodynamic Properties of the Lighter Paraffin Hydrocarbons and Nitrogen*, Monograph on API Research Project 37, API, New York, 1950.
82. Sage, B. H., Lacey, W. N., *Ind. Eng. Chem.*, 1942, Vol. 34, p. 730.
83. Beattie, J. A., Levine, S. W., Douslin, D. R., *J. Am. Chem. Soc.*, 1951, Vol. 73, p. 4431.
84. Beattie, J. A., Levine, S. W., Douslin, D. R., *J. Am. Chem. Soc.*, 1952, Vol. 74, p. 4731.
85. Li, K., Canjar, L. N., *Chem. Eng. Prog. Symp. Ser.*, 1953, Vol. 49, p. 147.
86. Gehrig, M., Lentz, H., *J. Chem. Thermodyn.*, 1979, Vol. 11, p. 291.
87. Kratzke, H., Muller, S., Bohn, M., Kohlen, R., *J. Chem. Thermodyn.*, 1985, Vol. 17, p. 283.
88. Kurumov, D. S., Ph.D. Thesis, GNI, Grozny, 1977.
89. Kurumov, D. S., Grigor'ev, B. A., *Russ. J. Phys. Chem.*, 1982, Vol. 56, p. 551.
90. Griskey, R. D., Canjar, L. N., *AIChE J.*, 1959, Vol. 5, p. 1.
91. Grigor'ev, B. A., Kurumov, D. S., Vasil'ev, Yu. L., *Russ. J. Phys. Chem.*, 1986, Vol. 60, p. 14.
92. Kurumov, D. S., Grigor'ev, B. A., Vasil'ev, Yu. L., *Thermophys. Properties Substances Mater.*, GSSSD, Moscow 1989, Vol. 27, p. 101.
93. Beattie, J. A., Kay, W. C., *J. Am. Chem. Soc.*, 1937, Vol. 59, p. 1585.
94. Smith, L. B., Beattie, J. A., Kay, W. C., *J. Am. Chem. Soc.*, 1937, Vol. 59, p. 1587.
95. Connolly, J. F., Kandalic, G. A., *J. Chem. Eng. Data*, 1962, Vol. 7, p. 137.
96. Kurumov, D. S., Topchiev, C. A., *Phase Transition and Thermophysical Properties of Multicomponent Systems*, Dagestan Sci. Center, Russ. Acad. Sci., Makhachkala, 1990.
97. Gehrig, M., Lentz, H., *J. Chem. Thermodyn.*, 1977, Vol. 9, p. 445.
98. Gornowski, E. J., Amick, E. H., Hixson, A. N., *Ind. Eng. Chem.*, 1947, Vol. 39, p. 1348.
99. Akhundov, T. S., Abdullaev, F. G., *Thermophysical Properties of Liquids*, Nauka, Moscow, 1970.
100. Akhundov, T. S., Abdullaev, F. G., *Izv. Vyssh. Uchebn. Zaved., Neft' Gaz*, 1974, Vol. 1, p. 62.
101. Straty, G. C., Ball, M. J., Bruno, T. J., *J. Chem. Eng. Data*, 1988, Vol. 33, p. 115.
102. Grigor'ev, B. A., Rastorguev, Yu. L., Gerasimov, A. A., Kurumov, D. S., Plotnikov, S. A., *N-Hexane. Thermodynamic Properties at Temperatures from 180 to 630 K and at Pressures between 0.1 and 100 MPa*, GSSSD, Moscow, 1986.
103. Young, S., *J. Chem. Soc.*, 1897, Vol. 71, p. 446.
104. Sage, B. H., Lacey, W. N., Schaafsma, J. A., *Ind. Eng. Chem.*, 1935, Vol. 27, p. 48.
105. Pöhler, H., Kiran, E., *J. Chem. Eng. Data*, 1996, Vol. 33, p. 115.
106. Franck, E. U., Kerschbaum, S., Wiegand, G., *Ber. Bunsenges. Phys. Chem.*, 1998, Vol. 102, p. 1794.
107. Magee, J. W., Bruno, T. J., *J. Chem. Eng. Data*, 1996, Vol. 41, p. 900.
108. Kashiwagi, H., Kashimoto, T., Tanaka, Y., Kubota, H., Makita, T., *Int. J. Thermophys.*, 1981, Vol. 3, p. 201.
109. Muringer, M. J. P., Trappeniers, N. J., Biswas, S. N., *Phys. Chem. Liquids*, 1985, Vol. 14, p. 273.
110. Marcos, D. H., Lindley, D. D., Wilson, K. S., Kay, W. B., Hershey, H., *J. Chem. Thermodyn.*, 1983, Vol. 15, p. 1003.
111. Marshall, W., Simonson, J. M., *J. Chem. Thermodyn.*, 1991, Vol. 23, p. 613.
112. Dutta-Choudhury, M. K., Van Hook, W. A., *J. Phys. Chem.*, 1980, Vol. 84, p. 2735.
113. Simson, J. M., *J. Chem. Thermodyn.*, 1990, Vol. 22, p. 739.
114. Degrange, S., Ph.D. Thesis, University Blaise Pascal, France, 1998.
115. Wormald, C. J., Colling, C. N., Lancaster, N. M., Sellars, A. J., Gas Processors Association, Research Report RR-68, Tulsa, Oklahoma, 1983.

116. Wormald, C. J., Lancaster, N. M., *J. Chem. Soc. Faraday Trans. I*, 1994, Vol. 84, p. 3141.
117. Wormald, C. J., *Ber. Bunsenges. Phys. Chem.*, 1984, Vol. 88, p. 826.
118. Wormald, C. J., *J. Chem. Thermodyn.*, 1996, Vol. 28, p. 627.
119. Richards, P., Wormald, C. J., Yerlett, T. K., *J. Chem. Thermodyn.*, 1981, Vol. 13, p. 623.
120. Potter, R. W., Shaw, D. R., Haas, J. L., *U.S. Geol. Surv. Bull.*, 1975, Vol. 78D, p. 1417.
121. Potter, R. W., U.S. Geol. Surv., Open-File Report, No. 78-549, 1978, p. 34.
122. Oakes, C. S., Simonson, J. M., Bodnar, R. J., *J. Solution Chem.*, 1995, Vol. 24, p. 897.
123. Gates, J. A., Wood, R. H., *J. Chem. Eng. Data*, 1989, Vol. 34, p. 53.
124. Tsay, S. V., Gilyarov, V. N., Zarembo, V. I., Puchkov, L. V., *Geochem. Int.*, 1989, Vol. 26, p. 52.
125. Crovetto, R., Lvov, S. N., Wood, R. H., *J. Chem. Thermodyn.*, 1993, Vol. 25, p. 127.
126. Zhang, Y.-G., Frantz, J. D., *Chem. Geol.*, 1987, Vol. 64, p. 335.
127. Bodnar, R. J., Sterner, S. M., *Geochim. Cosmochim. Acta*, 1985, Vol. 49, p. 1855.
128. Egorov, V. Ya., Zarembo, V. I., Fedorov, M. K., *J. Appl. Chem. USSR*, 1976, Vol. 49, p. 119.
129. Urusova, M. A., *Russ. J. Inorg. Chem.*, 1975, Vol. 16, p. 1717.
130. Urusova, M. A., *Russ. J. Inorg. Chem.*, 1974, Vol. 19, p. 450.
131. Urusova, M. A., Ravich, M. I., *Russ. J. Inorg. Chem.*, 1971, Vol. 16, p. 1534.
132. Anderko, A., Pitzer, K. S., *Geochim. Cosmochim. Acta*, 1993, Vol. 57, p. 1657.
133. Bodnar, R. J., Ph.D. Thesis, Pennsylvania State University, 1985.
134. Potter, R. W., Brown, D. L., *U.S. Geol. Surv. Bull.*, 1977, Vol. 1424-C, p. 36.
135. Hilbert, R., Ph.D. Thesis, Universität Fridericiana, Karlsruhe, 1979.
136. Jiang, S., Pitzer, K. S., *AIChE J.*, 1996, Vol. 42, p. 585.
137. Gehrig, M., Lentz, H., Franck, E. U., *Ber. Bunsenges. Phys. Chem.*, 1983, Vol. 87, p. 597.
138. Khaibullin, Kh., Borisov, N. M., *Russ. J. High Temp.*, 1966, Vol. 4, p. 518.
139. Majer, V., Gates, J. A., Inglese, A., Wood, R. H., *J. Chem. Thermodyn.*, 1988, Vol. 20, p. 949.
140. Lemmon, E. W., Jacobsen, R. T., *Thermodynamic Properties of Toluene for Temperatures from 179 K to 700 K and Pressures to 500 MPa*, 2000 (private communication).
141. Span, R., Lemmon, E. W., Jacobsen, R. T., Wagner, W., *Int. J. Thermophys.*, 1998, Vol. 19, p. 1121.
142. Jacobsen, R. T., Penoncello, S. G., Lemmon, E. W., Span, R., *Experimental Thermodynamics. Part I. Equation of State for Fluids and Fluid Mixtures*, Sengers, J. V., Kayser, R. F., White, H. J., Eds., Elsevier, Amsterdam, 2000, pp. 849-881.
143. Setzmann, U., Wagner, W., *J. Phys. Chem. Ref. Data*, 1991, Vol. 20, No. 6, p. 1061.
144. Span, R., Wagner, W., *J. Phys. Chem. Ref. Data*, 1996, Vol. 25, No. 6, p. 1509.
145. Goodwin, R. D., *J. Phys. Chem. Ref. Data*, 1989, Vol. 18, p. 1565.
146. Mamedov, A. M., Akhundov, T. S., Imanov, Sh. Yu., Abdullaev, F. G., Asadullaeva, N. N., *Thermophys. Properties Substances Mater.*, GSSSD, Moscow, 1973, Vol. 6, p. 110.
147. Starling, K. E., *Fluid Thermodynamic Properties for Light Petroleum Systems*, Gulf Publishing Company, Houston, TX, 1973.
148. Span, R., *Multiparameter Equations of State — An Accurate Source of Thermodynamic Property Data*, Springer, Berlin, Heidelberg, New York, 2000.
149. Sauer mann, P., Holzapfel, K., Oprzynski, J., Kohler, F., Poot, W., de Loos, Th. W., *Fluid Phase Equilibria*, 1995, Vol. 112, p. 249.
150. Lee, B. I., Kessler, M. G., *AIChE J.*, 1975, Vol. 21, p. 510.
151. Das, T. R., Reed, Ch. O., *J. Chem. Eng. Data*, 1977, Vol. 22, p. 3.
152. Bender, E., *Kältetechnik-Klimatisierung*, 1971, Vol. 23, p. 258.
153. Bender, E., *Chem.-Ing. Tech.*, 1972, Vol. 44, p. 576.

154. Bender, E., *Cryogenics*, 1975, Vol. 15, p. 667.
155. Bender, E., *Proc. 5th Symp. Thermophysical Properties*, ASME, New York, 1970, p. 258.
156. Benedict, M., Webb, G. B., Rubin, L. C., *J. Chem. Phys.*, 1940, Vol. 8, p. 334.
157. Polt, A., Platzer, B., Maurer, G., *Chem. Tech. (Leipzig)*, 1992, Vol. 44, p. 216.
158. Polt, A., Maurer, G., *Fluid Phase Equilibria*, 1992, Vol. 73, p. 27.
159. Bender, E., *VDI-Forschungsheft*, 1981, Vol. 609, p. 15.
160. Buhner, K., Maurer, G., Bender, E., *Cryogenics*, 1981, Vol. 21, p. 157.
161. Wagner, W., Pruß, A., *J. Phys. Chem. Ref. Data*, 2002, Vol. 31, p. 387.
162. Tegeler, C., Span, R., Wagner, W., *Eine neue Fundamentalgleichung für das Fluide Zustandsgebiet von Argon für Temperaturen von der Schmelzlinie bis 700 K und Drucke bis 1000 MPa* (in German), VDI Fortschritt-Berichte 3, No. 480, VDI, Dusseldorf, 1997.
163. Tegeler, C., Span, R., Wagner, W., *J. Phys. Chem. Ref. Data*, 1999, Vol. 28, p. 779.
164. Sychev, V. V., Vasserman, A. A., Kozlov, A. D., Tsymarny, V. A., *Thermodynamic Properties of Propane*, Hemisphere, Washington, New York, London, 1991.
165. Sychev, V. V., Vasserman, A. A., Kozlov, A. D., Tsymarny, V. A., *Thermodynamic Properties of Butane*, Begell House, New York, 1995.
166. Sychev, V. V., Vasserman, A. A., Kozlov, A. D., Spiridonov, G. A., Tsymarny, V. A., *Thermodynamic Properties of Oxygen*, Hemisphere, Washington, New York, London, 1987.
167. Sychev, V. V., Vasserman, A. A., Kozlov, A. D., Spiridonov, G. A., Tsymarny, V. A., *Thermodynamic Properties of Nitrogen*, Hemisphere, Washington, New York, London, 1987.
168. Setzmann, U., Wagner, W., *Fluid Phase Equilibria*, 1985, Vol. 19, p. 175.
169. Sifner, O., Klomfar, J., *J. Phys. Chem. Ref. Data*, 1994, Vol. 23, p. 63.
170. Smukala, J., Span, R., Wagner, W., *J. Phys. Chem. Ref. Data*, 2000, Vol. 29, p. 1053.
171. de Reuck, K. M., Craven, R. J. B., *International Thermodynamic Tables of the Fluid State-12. Methanol*, Blackwell Scientific, London, 1993.
172. Lemmon, E. W., Jacobsen, R. T., *J. Phys. Chem. Ref. Data*, 2000, Vol. 29, p. 1053.
173. Lemmon, E. W., Jacobsen, R. T., Penoncello, S. G., Friend, D. G., *J. Phys. Chem. Ref. Data*, 2000, Vol. 29, p. 521.
174. Friend, D. G., Ingham, H., Ely, J. F., *J. Phys. Chem. Ref. Data*, 1991, Vol. 20, p. 275.
175. Tillner-Roth, R., *Int. J. Thermophys.*, 1995, Vol. 16, p. 91.
176. Younglove, B. A., Ely, J. F., *J. Phys. Chem. Ref. Data*, 1987, Vol. 16, p. 577.
177. Outcalt, S. L., McLinden, M. O., *J. Phys. Chem. Ref. Data*, 1996, Vol. 25, p. 605.
178. Wagner, W., Marx, V., Pruß, A., *Rev. Int. Froid*, 1993, Vol. 16, p. 373.
179. Grigor'ev, B. A., Rastorguev, Yu. L., Kurumov, D. S., Gerasimov, A. A., Kharin, V. E., Plotnikov, D. S., *Int. J. Thermophys.*, 1990, Vol. 11, p. 487.
180. Grigor'ev, B. A., Rastorguev, Yu. L., Kurumov, D. S., Gerasimov, A. A., Kharin, V. E., Plotnikov, D. S., *Int. J. Thermophys.*, 1988, Vol. 9, p. 439.
181. Sengers, J. V., Levelt-Sengers, J. M. H., *Ann. Rev. Phys. Chem.*, 1986, Vol. 37, p. 189.
182. Kiselev, S. B., Friend, D. G., *Fluid Phase Equilibria*, 1999, Vol. 155, p. 33.
183. Kiselev, S. B., Sengers, J. V., *Int. J. Thermophys.*, 1993, Vol. 14, p. 1.
184. Levelt Sengers, J. M. H., Straub, J., Watanabe, K., Hill, P. G., *J. Phys. Chem. Ref. Data*, 1985, Vol. 14, p. 193. [The revised values, on ITS-90, can be found in *Physical Chemistry of Aqueous Systems*, White, Jr., H. J., Sengers, J. V., Neumann, D. B., Bellows, J. C., Eds., Begell House, New York, 1995, Appendix A101–A102].
185. Kiselev, S. B., Abdulagatov, I. M., Harvey, A. H., *Int. J. Thermophys.*, 1999, Vol. 20, p. 563.
186. Wyczalkowska, A., Abdulkadirova, Kh. S., Anisimov, M. A., Sengers, J. V., *J. Chem. Phys.*, 2000, Vol. 113, p. 4985.
187. Chen, Z. Y., Abbaci, A., Tang, S., Sengers, J. V., *Phys. Rev.*, 1990, Vol. A42, p. 4470.

188. Luettmer-Strathmann, J., Tang, S., Sengers, J. V., *J. Chem. Phys.*, 1992, Vol. 97, p. 2705.
189. Sengers, J. V., *Supercritical Fluids*, Kiran, E., Levelt-Sengers, M. H., Eds., Kluwer, Dordrecht, 1994, pp. 231–271.
190. Wyczalkowska, A., Sengers, J. V., *J. Chem. Phys.*, 1999, Vol. 111, p. 1551.
191. Wyczalkowska, A., Abdulkadirova, Kh. S., Anisimov, M. A., Sengers, J. V., *Proc. 13th Int. Conference on the Properties of Water and Steam*, Tremaine, P. R., Hill, Ph. G., Irish, D. E., Balakrishnan, P. V., Eds., NRC Research Press, Ottawa, 2000, pp. 365–373.
192. Chen, Z. Y., Albright, P. C., Sengers, J. V., *Phys. Rev.*, 1990, Vol. A41, p. 3161.
193. Anisimov, M. A., Kiselev, S. B., Sengers, J. V., Tang, S., *Physica A*, 1992, Vol. 188, p. 487.
194. Anisimov, M. A., Povodyrev, A. A., Sengers, J. V., *Fluid Phase Equilibria*, 1999, Vols. 159–160, p. 537.
195. Anisimov, M. A., Sengers, J. V., *Supercritical Fluids and Applications*, Kiran, E., De-benedetti, P. G., Peters, C. J., Eds., Kluwer, Dordrecht, 2000, pp. 89–120.
196. Osborne, N. S., Stimson, H. F., Fiock, E. F., Ginnings, D. C., *J. Res. Nat. Bur. Stand. (U.S.)*, 1933, Vol. 10, p. 155.
197. Baehr, H. D., Schomacker, H., *Forsch. Ing.-Wes.* 1975, Vol. 41, p. 43.
198. Schomacker, H., Ph.D. Thesis, Ruhr-Universität, Bochum, 1973.
199. Sirota, A. M., Mal'tsev, B. K., *Teploenergetika*, 1962, Vol. 9, No. 1, p. 52.
200. Sirota, A. M., Beljakova, P. E., Shrago, Z. Kh., *Teploenergetika*, 1966, Vol. 13, No. 11, p. 84.
201. Erokhin, N. F., Kalyanov, B. I., *Teploenergetika*, 1980, Vol. 27, No. 11, p. 50.
202. Rivkin, S. L., Egorov, B. N., *Teploenergetika*, 1962, Vol. 9, No. 12, p. 60.
203. Rivkin, S. L., Egorov, B. N., *Teploenergetika*, 1963, Vol. 10, No. 7, p. 75.
204. Alexandrov, A. A., Larkin, D. K., *Teploenergetika*, 1977, Vol. 24, No. 1, p. 73.
205. Kiselev, S. B., Ely, J., Abdulagatov, I. M., Bazaev, A. R., Magee, J. W., *Ind. Eng. Chem. Res.*, 2002, Vol. 41, p. 1000.
206. Kiselev, S. B., Rainwater, J. C., *J. Chem. Phys.*, 1998, Vol. 109, p. 643.
207. Belyakov, M. Yu., Kiselev, S. B., Rainwater, J. C., *Fluid Phase Equilibria*, 1998, Vols. 151–152, p. 439.
208. Wyczalkowska, A., Sengers, J. V., *Thermodynamic Properties of Steam in the Critical Region. Evaluation of a Proposed Fundamental Equation for Scientific Use*, Institute for Physical Science and Technology, University of Maryland, College Park, MD 20742, 1995.
209. Abdulagatov, I. M., Magee, J. W., Kiselev, S. B., Friend, D. G., *A Critical Assessment of Experimental Data and Correlation for Heat Capacity at Constant Volume of Water and Steam*, Nat. Inst. Stand. Technol. NISTIR (unpublished).
210. Hill, P. G., MacMillan, R. D. C., Lee, V., *J. Phys. Chem. Ref. Data*, 1982, Vol. 11, p. 1.
211. Neichel, M., Franck, E. U., *J. Supercritical Fluids*, 1996, Vol. 9, p. 69.
212. Heiling, M., Franck, E. U., *Ber. Bunsenges. Phys. Chem.*, 1989, Vol. 93, p. 898.
213. Heiling, M., Franck, E. U., *Ber. Bunsenges. Phys. Chem.*, 1990, Vol. 94, p. 27.
214. Christoforakos, M., Franck, E. U., *Ber. Bunsenges. Phys. Chem.*, 1986, Vol. 90, p. 780.
215. Hirschfelder, J. O., Curtiss, C. F., Bird, R. B., *Molecular Theory of Gases and Liquids*, Wiley, New York, 1964.
216. Peng, D., Robinson, D. B., *Ind. Eng. Chem. Fund.*, 1976, Vol. 15, p. 59.
217. Peng, D., Robinson, D. B., *Can. J. Chem. Eng.*, 1976, Vol. 54, p. 595.
218. Redlich, O., Kwong, J. N. S., *Chem. Rev.*, 1949, Vol. 44, p. 233.
219. Soave, G., *Chem. Eng. Sci.*, 1972, Vol. 27, p. 1197.
220. Kabadi, V. N., Danner, R. P., *Ind. Eng. Chem. Process Des. Dev.*, 1985, Vol. 24, p. 537.
221. Higashi, H., Furuya, T., Ishidao, T., Iwai, Y., Arai, Y., *J. Chem. Eng. Japan*, 1994, Vol. 27, p. 677.
222. Haruki, M., Yahiro, Y., Higashi, H., Arai, Y., *J. Chem. Eng. Japan*, 1999, Vol. 32, p. 535.

223. Haruki, M., Iwai, Y., Nagao, S., Yahiro, Y., Arai, Y., *Ind. Eng. Chem. Res.*, 2000, Vol. 39, p. 4516.
224. Sandarusi, J. A., Kidnay, A. J., Yesavage, V. F., *Ind. Eng. Chem. Process Des. Dev.*, 1986, Vol. 25, p. 957.
225. Polishuk, I., Wisniak, J., Segura, H., Yelash, L. V., Kraska, Th., *Fluid Phase Equilibria*, 2000, Vol. 172, p. 1.
226. Carnahan, N. F., Starling, K. E., *J. Chem. Phys.*, 1969, Vol. 51, p. 635.
227. van der Waals, J. D., *On the Continuity of the Gaseous and Liquid States*, Rowlinson, J. S., Ed., *Stud. Stat. Phys.*, 1999, Vol. 1, p. 4225 and 2000, Vol. 2, p. 91.
228. Victorov, A. I., Fredenslund, A., Smirnova, N. A., *Fluid Phase Equilibria*, 1991, Vol. 66, p. 187.
229. Victorov, A. I., Smirnova, N. A., *Proc. VII Mendeleev's Discussions*, Khar'kov, 1985, pp. 37–42.
230. Smirnova, N. A., Victorov, A. I., *Fluid Phase Equilibria*, 1987, Vol. 34, p. 235.
231. Kehiaian, H. V., *Fluid Phase Equilibria*, 1983, Vol. 13, p. 243.
232. Panayiotou, C., Vera, J. H., *Polym. J.*, 1982, Vol. 14, p. 681.
233. Panayiotou, C., *Ind. Eng. Chem. Res.*, 2002, Vol. 41, p. 1057.
234. Kumar, S. K., Suten, V. W., Reid, R. C., *Fluid Phase Equilibria*, 1986, Vol. 29, p. 373.
235. Belyakov, M. Yu., Kiselev, S. B., Rainwater, J. C., *J. Chem. Phys.*, 1997, Vol. 107, p. 3085.
236. Kiselev, S. B., *Fluid Phase Equilibria*, 1997, Vol. 128, p. 1.
237. Fisher, M. E., *Scaling, Universality, and Renormalization Group Theory*, Hahne, F. J. W. Ed., *Critical Phenomena, Lectures Notes in Physics*, Springer, Berlin, 1988, Vol. 186, p. 1.
238. Anisimov, M. A., Voronel, A. A., Gorodezkii, E. E., *Zh. Eksp. Teor. Fiz.*, 1971, Vol. 33, p. 605.
239. Griffiths, R. B., Wheeler, J. C., *Phys. Rev.*, 1970, Vol. A2, p. 1047.
240. Saam, W. F., *Phys. Rev.*, 1970, Vol. A2, p. 1461.
241. Kiselev, S. B., Povodyrev, A. A., *Fluid Phase Equilibria*, 1992, Vol. 79, p. 33.
242. Bischoff, J. L., Pitzer, K. S., *Am. J. Sci.*, 1989, Vol. 289, p. 217.
243. Bischoff, J. L., Rosenbauer, R. J., *Geochim. Cosmochim. Acta*, 1988, Vol. 52, p. 2121.
244. Bischoff, J. L., *Am. J. Sci.*, 1991, Vol. 291, p. 309.
245. Pitzer, K. S., *J. Chem. Thermodyn.*, 1989, Vol. 21, p. 1.
246. Harvey, A., Levelt-Sengers, J. M. H., *Chem. Phys. Lett.*, 1989, Vol. 156, p. 415.
247. Povodyrev, A. A., Anisimov, M. A., Sengers, J. V., Levelt-Sengers, J. M. H., *Physica A*, 1997, Vol. 244, p. 298.
248. Povodyrov, A. A., Jin, G. X., Kiselev, S. B., Sengers, J. V., *Int. J. Thermophys.*, 1995, Vol. 17, p. 909.
249. Anisimov, M. A., Kiselev, S. B., Sengers, J. V., Tang, S., *Physica A*, 1992, Vol. 188, p. 487.
250. Cheng, H., Anisimov, M. A., Sengers, J. V., *Fluid Phase Equilibria*, 1996, Vol. 128, p. 67.
251. Pitzer, K. S., *J. Phys. Chem.*, 1986, Vol. 90, p. 1502.
252. Pitzer, K. S., *Int. J. Thermophys.*, 1998, Vol. 19, p. 355.
253. Pitzer, K. S., *Acc. Chem. Res.*, 1990, Vol. 23, p. 333.
254. Pitzer, K. S., Tanger, J. C., *Int. J. Thermophys.*, 1988, Vol. 9, p. 635.
255. Hovey, J. K., Pitzer, K. S., Tanger, J. C., Bischoff, J. L., Rosenbauer, R. J., *J. Phys. Chem.*, 1990, Vol. 94, p. 1175.
256. Tanger, J. C., Pitzer, K. S., *Geochim. Cosmochim. Acta*, 1989, Vol. 53, p. 973.
257. Pabalan, R. T., Pitzer, K. S., *Geochim. Cosmochim. Acta*, 1988, Vol. 52, p. 2393.
258. Abdulgatov, I. M., Dvoryanchikov, V. I., Mursalov, B. A., Kamalov, A. N., *Fluid Phase Equilibria*, 1998, Vol. 143, p. 213.



259. Abdulagatov, I. M., Dvoryanchikov, V. I., Kamalov, A. N., *J. Chem. Thermodyn.*, 1997, Vol. 29, p. 1387.
260. Haar, L., Gallagher, J. S., Kell, G., *NBS/NRC Steam Tables: Thermodynamic and Transport Properties and Computer Programs for Vapor and Liquid States of Water in SI Units*, Hemisphere, Washington, 1984.
261. Pitzer, K. S., Bischoff, J. L., Rosenbauer, R. J., *Chem. Phys. Lett.*, 1987, Vol. 134, p. 60.
262. Anderko, A., Pitzer K. S., *AIChE J.*, 1991, Vol. 37, p. 1379.
263. Anderko, A., Pitzer, K. S., *Geochim. Cosmochim. Acta*, 1993, Vol. 57, 4885.
264. Boublik, T., *J. Chem. Phys.*, 1970, Vol. 53, p. 471.
265. Mansoori, G. A., Carnahan, N. F., Starling, K. E., Leland, T. W., *J. Chem. Phys.*, 1971, Vol. 54, p. 1523.
266. Stell, G., Rasaiah, J. C., Narang, H., *Mol. Phys.*, 1972, Vol. 23, p. 393; 1974, Vol. 27, p. 1393.
267. Rushbrooke, G. S., Stell, G., Hoyer, J. S., *Mol. Phys.*, 1973, Vol. 26, p. 1199.
268. Gubbins, K. E., Twu, C. H., *Chem. Eng. Sci.*, 1978, Vol. 33, p. 863.
269. Larsen, B., Rasaiah, J. C., Stell, G., *Mol. Phys.*, 1977, Vol. 33, p. 987.
270. Dohrn, R., Prausnitz, J. M., *Fluid Phase Equilibria*, 1990, Vol. 61, p. 53.
271. Jiang, S., Pitzer, K. S., *J. Chem. Phys.*, 1995, Vol. 102, p. 7632.
272. Wei, Y. S., Sados, R. J., *AIChE J.*, 2000, Vol. 46, p. 169.
273. Bazaev, A. R., *Heat Transfer*, 1988, Vol. 1, p. 113.
274. Harvey, A. H., Peskin, A. P., Klein, S. A., *NIST/ASME Steam Properties*, NIST Standard Reference Database 10, Version 2.2, 2000.
275. Bich, E., Opel, G., Pietsch, R., Vogel, E., *Z. Phys. Chemie (Leipzig)*, 1979, Vol. 260, p. 1145.
276. Egloff, G., *Physical Constant of Hydrocarbons*, Reinhold, New York, 1939, Vol. 1, p. 40.
277. Harvey, A. H., Levelt-Sengers, J. M. H., *AIChE J.*, 1990, Vol. 36, p. 539.
278. Japas, M. L., Levelt-Sengers, J. M. H., *AIChE J.*, 1989, Vol. 35, p. 705.
279. O'Connell, J. P., *Mol. Phys.*, 1971, Vol. 20, p. 27.
280. O'Connell, J. P., Sharygin, A. V., Wood, R. H., *Ind. Eng. Chem. Res.*, 1996, Vol. 35, p. 2808.
281. Conney, W. R., O'Connell, J. P., *Chem. Eng. Comm.*, 1987, Vol. 56, p. 341.
282. Kirkwood, J. G., Buff, F. P., *J. Chem. Phys.*, 1951, Vol. 19, p. 774.
283. Perry, R. L., O'Connell, J. P., *Mol. Phys.*, 1984, Vol. 52, p. 137.
284. Brelvi, S. W., O'Connell, J. P., *AIChE J.*, 1974, Vol. 18, p. 1239.
285. Shock, E. L., Helgeson, H. C., Sverjensky, D. A., *Geochim. Cosmochim. Acta*, 1976, Vol. 53, p. 2157.
286. Helgeson, H. C., Kirkham, D. H., Flowers, D. C., *Am. J. Sci.*, 1976, Vol. 281, p. 1249.
287. Schock, E. L., Helgeson, H. C., *Geochim. Cosmochim. Acta*, 1990, Vol. 54, p. 915.
288. Sedlbauer, J., Yezdimer, E. M., Wood, R. H., *J. Chem. Thermodyn.*, 1998, Vol. 30, p. 3.
289. O'Connell, J. P., *Fluctuation Theory of Mixtures*, Matteoli, E., Mansoori, G. A., Eds., Taylor and Francis, New York, 1990, pp. 45–67.
290. Mcguigan, D. B., Monson, P. A., *Fluid Phase Equilibria*, 1990, Vol. 57, p. 227.
291. Tom, J. W., Debenedetti, P. G., *Ind. Eng. Chem. Res.*, 1993, Vol. 32, p. 2118.
292. Wu, R. S., Lee, L. L., Cochran, H. D., *Ind. Eng. Chem. Res.*, 1990, Vol. 29, p. 977.
293. Huang, Y.-H., O'Connell, J. P., *Fluid Phase Equilibria*, 1987, Vol. 37, p. 75.
294. Polyasunov, A. V., Shock, E. L., *J. Supercritical Fluids*, 2001, Vol. 20, p. 91.
295. Krichevskii, I. R., *Russ. J. Phys. Chem.*, 1967, Vol. 41, p. 1332.
296. Petsche, I. B., Debenedetti, P. G., *J. Phys. Chem.*, 1991, Vol. 95, p. 386.
297. Japas, M. L., Alvarez, J. L., Kukuljan, J., Gutkowski, K., Fernandez-Prini, R., *Proc. 13th Int. Conference on the Properties of Water and Steam*, Tremaine, P. R., Hill, Ph. G., Irish, D. E., Balakrishnan, P. V., Eds., NRC Research Press, Ottawa, 2000, pp. 165–174.

298. Japas, M. L., Alvarez, J. L., Gutkowski, K., Fernandez-Prini, R., *J. Chem. Thermodyn.*, 1998, Vol. 30, p. 1603.
299. Sedlbauer, J., O'Connell, J. P., Wood, R. H., *Chem. Geology*, 2000, Vol. 163, p. 43.
300. Kukuljan, J., Alvarez, J. L., Fernandez-Prini, R., *J. Chem. Thermodyn.*, 1999, Vol. 31, p. 1511.
301. Hamod, E. Z., Manssori, G. A., *Fluctuation Theory of Mixtures*, Matteoli, E., Manssori G. A., Eds., Taylor and Francis, New York, 1990, pp. 95–130.
302. Chialvo, A. A., *Fluctuation Theory of Mixtures*, Matteoli, E., Manssori, G. A., Eds., Taylor and Francis, New York, 1990, pp. 131–209.
303. Kubicek, A. J., Eubank P. T., *J. Chem. Eng. Data*, 1972, Vol. 17, p. 232.
304. Fernandez-Prini, R., Japas M. L., *Chem. Soc. Rev.*, 1994, Vol. 23, p. 155.
305. Zmaczynski, A., *J. Chem. Phys.*, 1930, Vol. 27, p. 503.
306. Chialvo, A. A., *J. Phys. Chem.*, 1995, Vol. 95, p. 6683.
307. O'Connell, J. P., Hu Y., Marshall, K. A., *Fluid Phase Equilibria*, 1999, Vol. 158, p. 583.
308. Cochran, H. D., Lee, L. L., Pfund, D. M., *Fluctuation Theory of Mixtures*, Matteoli, E., Manssori, G. A., Eds., Taylor and Francis, New York, 1990, pp. 69–93.
309. Fernandez-Prini, R., Japas, M. L., *J. Phys. Chem.*, 1992, Vol. 96, p. 5115.
310. De Loos, Th. W., Pender, W. G., Lichtenthaler, R. N., *J. Chem. Thermodyn.*, 1982, Vol. 14, p. 83.
311. Yiling T., Michelberger, Th. M., Franck, E. U., *J. Chem. Thermodyn.*, 1991, Vol. 23, p. 105.
312. Abdulagatov, A. I., Stepanov, G. V., Abdulagatov, I. M., *Russ. J. Struct. Chem.*, 2001, Vol. 42, p. 585.
313. Morrison, G., *J. Solution Chem.*, 1988, Vol. 17, p. 887.
314. Pitzer, K. S., *Chem. Phys. Lett.*, 1984, Vol. 105, p. 484.
315. Chialvo, A. A., Cummings, P. T., *Encyclopedia of Computational Chemistry*, Wiley, New York, 1998, pp. 2839–2859.
316. Cummings, P. T., Chialvo, A. A., *Chem. Eng. Sci.*, 1994, Vol. 49, p. 2735.
317. Petsche, I. B., Debenedetti, P. G., *J. Chem. Phys.*, 1989, Vol. 91, p. 7075.
318. Shah, V. M., Cochran, H. D., Bienkowski, P. R., *J. Supercritical Fluids*, 1991, Vol. 4, p. 223.
319. Evans, D. J., Morris, G. P., *Phys. Lett. A*, 1983, Vol. 98, p. 433.
320. Nosé, S., *Mol. Phys.*, 1984, Vol. 52, p. 255.
321. Anderson, H. C., *J. Chem. Phys.*, 1980, Vol. 72, p. 2384.
322. Cummings, P. T., Cochran, H. D., Simonson, J. M., Mesmer, R. E., Karaborni, S., *J. Chem. Phys.*, 1991, Vol. 94, p. 5606.
323. Osborne, N. S., Stimson, H. F., Ginnings, D. C., *J. Res. Nat. Bur. Stand. (U.S.)*, 1937, Vol. 18, p. 389.
324. Osborne, N. S., Stimson, H. F., Ginnings, D. C., *J. Res. Nat. Bur. Stand. (U.S.)*, 1939, Vol. 23, p. 261.
325. Kell, G. S., *J. Chem. Eng. Data*, 1975, Vol. 20, p. 97.
326. Kell, G. S., McLaurin, G. E., Whalley, E., *Phil. Trans. Roy. Soc. London*, 1985, Vol. 315A, p. 235.
327. Abdulagatov, I. M., Mursalov, B. A., Gamzatov, N. M., *Proc. 12th Int. Conference on the Properties of Water and Steam*, White, H. J., Sengers, J. V., Neumann, D. B., Bellows, J. C., Eds., Begell House, New York, 1995, p. 94.
328. Abdulagatov, I. M., Dvoryanchikov, V. I., Kamalov, A. N., *J. Chem. Eng. Data*, 1998, Vol. 43, p. 830.
329. Amirkhanov, Kh. I., Stepanov, G. V., Alibekov, B. G., *Isochoric Heat Capacity of Water and Steam*, Amerind Publ. Co., New Delhi, 1974.

330. Kerimov, A. M., Ph.D. Thesis, AZNEFTEKhim, Baku, 1964.
331. Kerimov, A. M., Alieva, M. K., *Teploenergetika*, 1976, Vol. 22, p. 76.
332. Wagner, W., Saul, A., *Proc. 10th Int. Conference on the Properties of Steam*, Sychev, V. V., Aleksandrov, A. A., Eds., Mir, Moscow, 1986, Vol. 1, p. 199.
333. Levelt-Sengers, J. H. M., *Proc. 12th Int. Conference on the Properties of Water and Steam*, White, H. J., Sengers, J. V., Neumann, D. B., Bellows, J. C., Eds., Begell House, New York, 1995, p. A143.
334. Eubank, P. T., Hall, K. R., Nehzat, M. S., *Proc. 9th Int. Conference on the Properties of Steam*, Straub, J., Scheffler, K., Eds., Pergamon Press, New York, 1979, pp. 120–127.
335. Sato, H., Uematsu, M., Watanabe, K., *Proc. 10th Int. Conference on the Properties of Steam*, Sychev, V. V., Aleksandrov, A. A., Eds., Mir, Moscow, 1986, Vol. 1, p. 71.
336. Levelt-Sengers, J. M. H., Straub, J., Watanabe, K., Hill, P. G., *J. Phys. Chem. Ref. Data*, 1985, Vol. 14, p. 193.
337. Blank, G., *Wärme und Stoffübertragung*, 1969, Vol. 2, p. 53.
338. Mursalov, B. A., Abdulagatov, I. M., Dvoryanchikov, V. I., Kamalov, A. N., Kiselev, S. B., *Int. J. Thermophys.*, 1999, Vol. 20, p. 1497.
339. Hebert, G. M., McDuffie, H. F., Secoy, C. H., *J. Phys. Chem.*, 1958, Vol. 62, p. 431.
340. Reisenfeld, E. H., Chang, T. L., *Z. Phys. Chem.*, 1935, Vol. 30, p. 61.
341. Polikhronidi, N. G., Abdulagatov, I. M., Magee, J. W., Stepanov, G. V., *Int. J. Thermophys.*, 2001, Vol. 22, p. 189.
342. Hill, P. G., MacMillan, R. D. C., *J. Phys. Chem. Ref. Data*, 1980, Vol. 9, p. 735.
343. Emmet, R., Millero, F., *J. Chem. Eng. Data*, 1975, Vol. 20, p. 351.
344. Polikhronidi, N. G., Abdulagatov, I. M., Magee, J. W., Batyrova, R. G., *J. Chem. Eng. Data*, 2001, Vol. 46, p. 1064.
345. Dornte, R. W., Smyth, C. P., *J. Am. Chem. Soc.*, 1930, Vol. 52, p. 3546.
346. McClune, C. R., *Cryogenics*, 1976, Vol. 16, p. 289.
347. Orrit, J., Laupretre, J. M., *Adv. Cryogenic Eng.*, 1978, Vol. 23, p. 573.
348. Wibout, J. P., Hoog, H., Langedijk, S. L., Overhoff, J., Smittenberg, J., *J. Rec. Trav. Chim. Pays-Bas*, 1939, Vol. 58, p. 329.
349. Young, S., *J. Chem. Soc. London*, 1900, Vol. 77, p. 1145.
350. Natural Gasoline Association of America (NGAA), *Densities of Liquefied Petroleum Gases*, *Ind. Eng. Chem.*, 1942, Vol. 34, p. 1240.
351. LeFevre, E. J., Nightingale, M. R., Rose, J. W., *J. Mech. Eng. Sci.*, 1975, Vol. 17, p. 243.
352. Cibulka, I., *Fluid Phase Equilibria*, 1993, Vol. 89, p. 1.
353. Zotov, V. V., Neruchev, Yu. A., Mel'nikov, G. A., *Thermophys. Properties Substances Mater.*, GSSSD, Moscow, 1975, Vol. 30, p. 16.
354. Okhotin, V. S., Razumeichenko, L. A., Kas'yanov, Yu. I., *Thermophys. Properties Substances Mater.*, GSSSD, Moscow, 1991, Vol. 30, p. 20.
355. Hales, J. L., Townsend, R., *J. Chem. Thermodyn.*, 1972, Vol. 4, p. 763.
356. Chirico, R. D., Steele, W. V., *Ind. Eng. Chem. Res.*, 1994, Vol. 33, p. 157.
357. Rudenko, A. P., Sperkach, V. S., Timoshenko, A. N., Yagupol'skii, L. M., *Russ. J. Phys. Chem.*, 1981, Vol. 55, p. 1054.
358. Shraiber, L. S., Pechenuk, N. G., *Russ. J. Phys. Chem.*, 1975, Vol. 39, p. 429.
359. Simon, M., *Bull. Soc. Chim. Belg.*, 1957, Vol. 66, p. 375.
360. Kobe, K. A., Lynn, R. E., *Chem. Rev.*, 1953, Vol. 52, p. 117.
361. Harand, J., *Monatsh. Chem.*, 1935, Vol. 65, p. 153.
362. Fischer, R., Reichel T., *Mikrochem. Acta*, 1943, Vol. 31, p. 102.
363. Altschul, M., *Z. Phys. Chem.*, 1893, Vol. 11, p. 577.
364. Ambrose, D., *J. Chem. Thermodyn.*, 1987, Vol. 19, p. 1007.
365. Ambrose, D., Vapor-Liquid Critical Properties, National Physical Laboratory Report, Chem. 107, NPL, Teddington, England, 1980.

366. Ambrose, D., Broderick, B. E., Townsend, R., *J. Chem. Soc. A*, Vol. 4, 1967, p. 633.
367. Ambrose, D., Cox, J. D., Townsend, R., *Trans. Faraday Soc.*, 1960, Vol. 56, p. 1452.
368. Tsonopoulos, C., Ambrose, D., *J. Chem. Eng. Data*, 1995, Vol. 40, p. 547.
369. Kudchadker, A. P., Alani, G. H., Zwolinski, B. J., *Chem. Rev.*, 1968, Vol. 68, p. 659.
370. Partington, E. J., Rowlinson, J. S., Weston, J. F., *Trans. Faraday Soc.*, 1960, Vol. 56, p. 479.
371. Riedel, L., *Chem.-Ing. Tech.*, 1954, Vol. 26, p. 259.
372. Francis, A. W., *Ind. Eng. Chem.*, 1957, Vol. 49, p. 1779.
373. Rathmann, D., Sullivan, D. A., Thompson, P. A., *Liquid-Vapor Saturation Data*, Max-Planck Institut für Strömungsforschung, Göttingen, 1979.
374. Kamilov, I. K., Malysheva, L. V., Rasulov, A. R., Shakhbanov, K. A., Stepanov, G. V., *Fluid Phase Equilibria*, 1996, Vol. 125, p. 177.
375. Kamilov, I. K., Stepanov, G. V., Malysheva, L. V., Rasulov, A. R., Rasulov, S. M., Shakhbanov, K. A., *High Temperatures — High Pressures*, 1997, Vol. 29, p. 237.
376. Kamilov, I. K., Stepanov, G. V., Abdulagatov, I. M., Rasulov, A. R., Milikhina, E. I., *J. Chem. Eng. Data*, 2001, Vol. 46, p. 1556.
377. Stepanov, G. V., Shakhbanov, K. A., Malysheva, L. V., *Russ. J. High Temp.*, 1997, Vol. 35, p. 192.
378. Mirskaya, V. A., *Fluid Phase Equilibria*, 1998, Vol. 150–151, p. 739.
379. Mirskaya, V. A., Kamilov, I. K., *High Temperatures — High Pressures*, 1998, Vol. 30, p. 555.
380. Abdulagatov, I. M., Magomedov, U. B., *High Temperatures — High Pressures*, 1992, Vol. 24, p. 465.
381. Ellis, A. J., Golding, R. M., *Am. J. Sci.*, 1963, Vol. 261, p. 47.
382. Potter, R. W., Babcock, R. S., Czamanske, G. K., *J. Solution Chem.*, 1976, Vol. 5, p. 223.
383. Bell, J. T., Helton, D. M., Rogers, T. G., *J. Chem. Eng. Data*, 1970, Vol. 15, p. 44.
384. Copeland, C. S., Silverman, J., Benson, S. W., *J. Chem. Phys.*, 1953, Vol. 21, p. 12.
385. Abdulagatov, I. M., Dvoryanchikov, V. I., Abdurakhmanov, I. M., *Proc. 11th Int. Conference on the Properties of Water and Steam*, Piichal, M., Shifner, O., Eds., Hemisphere, New York, 1989, p. 203.
386. Abdulagatov, I. M., Dvoryanchikov, V. I., *Teploenergetika*, 1990, Vol. 8, p. 69.
387. Abdulagatov, I. M., Dvoryanchikov, V. I., *J. Chem. Thermodyn.*, 1993, Vol. 25, p. 823.
388. Abdulagatov, I. M., Bochkov, M. M., Mursalov, B. A., *Teploenergetika*, 1988, Vol. 1, p. 67.
389. Abdulagatov, I. M., Dvoryanchikov, V. I., Kamalov, A. N., Abramova, E. G., Abdurashidova, M. A., *Can. J. Chem. Eng.*, 2000, Vol. 78, p. 5.
390. Abdulagatov I. M., Dvoryanchikov V. I., Mursalov B. A., Kamalov A. N., *Fluid Phase Equilibria*, 1998, Vol. 150, p. 525.
391. Abdulagatov, I. M., Mursalov, B. A., Dvoryanchikov, V. I., *J. Chem. Eng. Data*, 2000, Vol. 45, p. 1133.
392. Khaibullin, I. Kh., Novikov, B. E., *Teplofiz. Vys. Temp.*, 1973, Vol. 11, p. 320.
393. Khaibullin, I. Kh., Novikov, B. E., *Teplofiz. Vys. Temp.*, 1972, Vol. 10, p. 895.
394. Novikov, B. E., Ph.D. Thesis, Krzhizhanovskii State Research Power Engineering Institute, Moscow, 1973.
395. Stimson, H. F., *J. Res. Nat. Bur. Stand. (U.S.)*, 1969, Vol. 73A, p. 493.
396. Guldner, L. A., Johnson, D. P., Jones, F. E., *J. Res. Nat. Bur. Stand. (U.S.)*, *Phys. Chem.*, 1976, Vol. 80A, p. 505.
397. Kawai, K., Sato, H., Uematsu, M., Watanabe, K., Report to IAPWS Working Group 1, Tokyo, 1983.
398. Douslin, D. R., *J. Chem. Thermodyn.*, 1971, Vol. 3, p. 187.
399. Wagner, W., *IUPAC Thermodynamic Tables Project Center*, Dept. Chem. Eng. and Chem. Tech., London, 1977.

400. Wagner W., Saul A., *Proc. 10th Int. Conference on the Properties of Steam*, Sychev, V. V., Aleksandrov, A. A., Eds., Mir, Moscow, 1986, p. 199.
401. Scheffler, K. Ph.D. Thesis, Technische Universität Munchen, FRG, 1981.
402. Saul, A., Wagner, W., *J. Phys. Chem. Ref. Data*, 1987, Vol. 16, p. 893.
403. Oguchi, K., Tanishita, I., Kijima, J., Takaishi, Y., Shimizu, T., *Proc. 12th Int. Conference on the Properties of Water and Steam*, White, H. J., Sengers, J. V., Neumann, D. B., Bellows, J. C., Eds., Begell House, New York, 1995, p. 186.
404. Trubenbach, J., Kretschmar, H.-J., Willkommen, Th., Dittmann, A., *Proc. 12th Int. Conference on the Properties of Water and Steam*, White, H. J., Sengers, J. V., Neumann, D. B., Bellows, J. C., Eds., Begell House, New York, 1995, p. 202.
405. Levet-Sengers, J. M. H., Greer, S. C., *Int. J. Heat Mass Transfer*, 1972, Vol. 15, p. 1865.
406. Liu, C. T., Lindsay, W. T., *J. Chem. Eng. Data*, 1970, Vol. 15, p. 510.
407. Jones, W. M., *J. Chem. Phys.*, 1968, Vol. 48, p. 207.
408. Pupezin, J., Jakli, G., Jancso, G., Van Hook, W. A., *J. Phys. Chem.*, 1972, Vol. 76, p. 743.
409. Besley, L., Bottomley, G. A., *J. Chem. Thermodyn.*, 1973, Vol. 5, p. 397.
410. Levelt-Sengers, J. M. H., Greer, W. L., Sengers, J. V., *J. Phys. Chem. Ref. Data*, 1976, Vol. 5, p. 1.
411. Tanishita, I., Watanabe, M., Uematsu, M., Eguchi, K., *Proc. 8th Int. Conference on the Properties of Water and Steam*, Giens, France, 1976, p. 560.
412. *Vapor-Pressures and Critical Properties of Liquids, Alkanes*, Data Items 84022, 84028, 85002, ESDU International, London, 1984, 1985.
413. Ambrose, D., Walton, J., *Pure Appl. Chem.*, 1989, Vol. 61, p. 1395.
414. Wagner, W., *Cryogenics*, 1973, Vol. 13, p. 470.
415. Wagner, W., *Fortschritt-Berichte VDI-Zeitschrift*, Reihe, 1974, Vol. 3, No 39, p. 1.
416. Morgan, D. L., Kobayashi, R., *Fluid Phase Equilibria*, 1994, Vol. 97, p. 211.
417. Chirico, R. D., Nguyen, A., Steele, W. V., Strube, M. M., *J. Chem. Eng. Data*, 1989, Vol. 34, p. 149.
418. Lemmon, E. W., Goodwin, A. R. H., *J. Phys. Chem. Ref. Data*, 2000, Vol. 29, p. 1.
419. Willingham, C. B., Taylor, W. J., Pignocco, J. M., Rossini, F. D., *J. Res. Nat. Bur. Stand. (U.S.)*, 1945, Vol. 35, p. 219.
420. Messerly, G. H., Kennedy, R. M., *J. Am. Chem. Soc.*, 1942, Vol. 62, p. 2988.
421. Bich, E., Lober, T., Millat, J., *Fluid Phase Equilibria*, 1992, Vol. 75, p. 149.
422. Forziati, A. F., Norris, W. R., Rossini, F. D., *J. Res. Nat. Bur. Stand. (U.S.)*, 1949, Vol. 43, p. 555.
423. Olson, J. D., *Int. J. Thermophys.*, 1995, Vol. 16, p. 215.
424. Dejoz, A., González-Alfaro, V., Miguel, P. J., Vázquez, M. I., *J. Chem. Eng. Data*, 1996, Vol. 41, p. 93.
425. Lee, Ch., Dempsey, D. M., Mohamed, R. S., Holder, G. D., *J. Chem. Eng. Data*, 1992, Vol. 37, p. 183.
426. Gregorewicz, J., Kiciak, K., Malanowski S., *Fluid Phase Equilibria*, 1987, Vol. 38, p. 97.
427. Gierycz, P., Gregorewicz, J., Malanowski, S., *J. Chem. Thermodyn.*, 1988, Vol. 20, p. 385.
428. Mathews, J. H., *J. Am. Chem. Soc.*, 1926, Vol. 48, p. 562.
429. Connolly, J. F., Kandalic, G. A., *J. Chem. Eng. Data*, 1962, Vol. 7, p. 137.
430. Young, S., *Sci. Proc. Roy. Dublin Soc.*, 1910, Vol. 21, p. 374.
431. Mousa, A. H. N., *J. Chem. Thermodyn.*, 1977, Vol. 9, p. 1063.
432. De Loos, Th. W., van Dorp, J. H., Lichtenthaler, R. N., *Fluid Phase Equilibria*, 1983, Vol. 10, p. 279.
433. Brunner, E., *J. Chem. Thermodyn.*, 1990, Vol. 22, p. 335.
434. Brollos, K., Peter, K. H., Schneider, G. M., *Ber. Bunsenges. Phys. Chem.*, 1970, Vol. 74, p. 682.

435. Wang, Q., Chao, K., *Fluid Phase Equilibria*, 1990, Vol. 59, p. 207.
436. Chandler, K., Eason, B., Liotta, Ch. L., Eckert, Ch. A., *Ind. Eng. Chem. Res.*, 1998, Vol. 37, p. 3515.
437. Anderson, F. E., Prausnitz, J. M., *Fluid Phase Equilibria*, 1986, Vol. 32, p. 63.
438. Roof, J. G., *J. Chem. Eng. Data*, 1970, Vol. 15, p. 301.
439. Thompson, W. H., Snyder, J. R., *J. Chem. Eng. Data*, 1964, Vol. 9, p. 516.
440. Chen, H., Wagner, J., *J. Chem. Eng. Data*, 1994, Vol. 39, p. 475.
441. Tsonopoulos, C., Wilson, G. M., *AIChE J.*, 1983, Vol. 29, p. 990.
442. Rebert, C. J., Kay, W. B., *AIChE J.*, 1959, Vol. 5, p. 285.
443. Scheffer, F. E. C., *Proc. Kon. Akad. Wetensch.-Amsterdam*, 1913, Vol. 16, Part 1, p. 404.
444. Rebert, C. J., Hayworth, K. E., *AIChE J.*, 1967, Vol. 13, p. 118.
445. Alwani, Z., Schneider, G. M., *Ber. Bunsenges. Phys. Chem.*, 1967, Vol. 71, p. 633.
446. Alwani, Z., Schneider, G. M., *Ber. Bunsenges. Phys. Chem.*, 1967, Vol. 73, p. 294.
447. Alwani, Z., Ph.D. Thesis, Karlsruhe, 1969.
448. Bradley, R. S., Drew, M. J., Munro, D. C., *High Temperatures — High Pressures*, 1973, Vol. 5, p. 169.
449. Roddy, J. W., Coleman, C. F., *Talanta*, 1968, Vol. 15, p. 1281.
450. McAuliffe, C., *Nature*, 1963, Vol. 200, p. 1092.
451. Rebert, C. J., Ph.D. Thesis, Ohio State University, 1955.
452. Jou, F.-Y., Mather, A. E., *J. Chem. Eng. Data*, 2000, Vol. 45, p. 728.
453. Gillespie, P. C., Wilson, G. M., Gas Processors Association Research Report RR-48, April 1982.
454. Eubank, P. T., Wu, C. H., Alvarado, J. F. J., Forero, A., Beladi, M. K., *Fluid Phase Equilibria*, 1994, Vol. 102, p. 181.
455. Majer, V., Degrange, S., Sedlbauer, J., *Fluid Phase Equilibria*, 1999, Vols. 158–160, p. 419.
456. Sultanov, R. G., Skripka, V. G., *Russ. J. Phys. Chem.*, 1972, Vol. 46, p. 1245.
457. Wood, S. A., Crerar, D. A., Brantley, S. L., Borscik, M., *Am. J. Sci.*, 1984, Vol. 284, p. 668.
458. Zarembo, V. I., Lvov, S. N., Matuzenko, M. Yu., *Geochem. Int.*, 1980, Vol. 17, p. 335.
459. Ketsko, V. A., Urusova, M. A., Valyashko, V. M., *Russ. J. Inorg. Chem.*, 1984, Vol. 29, p. 1398.
460. Bischoff, J. L., Rosenbauer, R. J., Fournier, R. O., *Geochim. Cosmochim. Acta*, 1996, Vol. 60, p. 7.
461. Bischoff, J. L., Rosenbauer, R. J., Pitzer, K. S., *Geochim. Cosmochim. Acta*, 1986, Vol. 50, p. 1437.
462. Rosenbauer, R. J., Bischoff, J. L., *Geochim. Cosmochim. Acta*, 1987, Vol. 51, p. 2349.
463. Schröer, E., *Z. Phys. Chem.*, 1927, Vol. 129, p. 79.
464. Ölander, A., Liander, H., *Acta Chem. Scand.*, 1950, Vol. 4, p. 1437.
465. Sourirajan, S., Kennedy, G. C., *Am. J. Sci.*, 1962, Vol. 260, p. 115.
466. Parisod, C. J., Plattner, E., *Acta Chem. Scand.*, 1981, Vol. 4, p. 16.
467. Parisod, C. J., Plattner, E., *J. Chem. Eng. Data*, 1981, Vol. 26, p. 16.
468. Rogers, P. S. Z., Pitzer, K. S., *J. Phys. Chem. Ref. Data*, 1982, Vol. 11, p. 15.
469. Majer, V., Gates, J. A., Inglese, A., Wood, R. H., *J. Chem. Thermodyn.*, 1988, Vol. 20, p. 949.
470. Rodnyanskii, I. M., Koobkov, V. I., Galinker, I. S., *Russ. J. Phys. Chem.*, 1962, Vol. 36, p. 1192.
471. Hovey, J. K., Pitzer, K. S., Tanger, J. C., *J. Phys. Chem.*, 1990, Vol. 94, p. 1175.
472. Mashovets, V. P., Zarembo, V. I., Fedorov, M. K., *Russ. J. Appl. Chem.*, 1973, Vol. 46, p. 650.
473. Zarembo, V. I., Antonov, N. A., Gilyarov, V. N., Fedorov, M. K., *Russ. J. Appl. Chem.*, 1976, Vol. 49, p. 1259.

474. Tkachenko, S. T., Shmulovich, K. I., *Dokl. Ross. Akad. Nauk*, 1992, Vol. 326, p. 1055.
475. Liu, C., Lindsay, W. T., *J. Phys. Chem.*, 1970, Vol. 74, p. 341.
476. Liu, C., Lindsay, W. T., *J. Solution Chem.*, 1972, Vol. 1, p. 45.
477. Shmulovich, K. I., Tkachenko, S. I., Plyasunova, N. V., *Fluids in the Crust: Equilibrium and Transport Properties*, Shmulovich, K. I. et al., Eds., Chapman and Hall London, 1995, pp. 193–214.
478. Oakes, C. S., Bodnar, R. J., Simonson, J. M., Pitzer, K. S., *Geochim. Cosmochim. Acta*, 1994, Vol. 58, p. 2421.
479. Valyashko, V. M., *Phase Equilibria and Properties of Hydrothermal Solutions*, Nauka, Moscow, 1990.
480. Marshall, W. L., Jones, E. V., *J. Inorg. Nucl. Chem.*, 1974, Vol. 36, p. 2313.
481. Dibrov, I. A., Mal'zev, G. Z., Mashovez, V. P., *Russ. J. Appl. Chem.*, 1964, Vol. 37, p. 1920.
482. Krumgal'z, B. S., Mashovez, V. P., *Russ. J. Appl. Chem.*, 1964, Vol. 37, p. 2750.
483. Bodnar, R. J., Burnham, C. W., Sterner, S. M., *Geochim. Cosmochim. Acta*, 1985, Vol. 49, p. 1861.
484. Powell, R. J., Swinton, F. L., *J. Chem. Thermodyn.*, 1972, Vol. 2, p. 105.
485. Teja, A. S., Rosenthal, D. J., *AIChE Symp. Ser.*, 1990, Vol. 86, p. 133.
486. Teja, A. S., Anselme, M. J., *AIChE Symp. Ser.*, 1990, Vol. 86, p. 115.
487. Wilson, L. C., Wilding, W. V., Wilson, H. L., Wilson, G. M., *J. Chem. Eng. Data*, 1995, Vol. 40, p. 765.
488. Krase, N. W., Goodman, J. B., *Ind. Eng. Chem.*, 1930, Vol. 22, p. 13.
489. Jordan, T. E., *Vapor-Pressure of Organic Compounds*, Interscience Publishers, Inc., New York, 1954.
490. Simmrock, K. H., Janowsky, R., Ohnsorge, A., *Critical Data of Pure Substances*, DECHEMA Chemistry Data Series, Vol. II, Part 1: Ag-C7; Part-2: C8-Zr. DECHEMA, Frankfurt, 1986.
491. Hiza, M. J., Kidnay, A. J., Miller, R. C., *Equilibrium Properties of Fluid Mixtures*, Vol. 2, *A Bibliography of Experimental Data on Fluids*, IFI/Plenum, New York, 1982.
492. *TRC Thermodynamic Tables: Hydrocarbons* (formerly *Selected Values of Properties of Hydrocarbons and Related Compounds*), Thermodynamic Research Center, Texas A and M University, College Station, Texas, 1986, p. i-1010 (Table 23-2-(1.101)-i).
493. Brunner, E., *J. Chem. Thermodyn.*, 1988, Vol. 20, p. 273.
494. Stull, D. R., *Ind. Eng. Chem.*, 1947, Vol. 39, p. 517.
495. American Petroleum Institute of Research Project, 1946, Vol. 44, NBS.
496. Khurma, J. R., Muthu, O., Munjal, S., Smith, B. D., *J. Chem. Eng. Data*, 1983, Vol. 28, p. 412.
497. Kratzke, H., *AIChE J.*, 1985, Vol. 31, p. 693.
498. Kratzke, H., Ph.D. Thesis, Ruhr-Universität, Bochum, 1983.
499. Wolfe, D., Kay, W. B., Teja, A. S., *J. Chem. Eng. Data*, 1983, Vol. 28, p. 319.
500. Rosenthal, D. J., Teja, A. S., *AIChE J.*, 1989, Vol. 35, p. 1829.
501. McCracken, P. G., Storvick, T. S., Smith, J. M., *J. Chem. Eng. Data*, 1960, Vol. 5, p. 130.
502. Artyukhovskaya, L. M., Shimanskaya, E. T., Shimanskii, Yu. I., *Russ. J. Exp. Theor. Phys.*, 1970, Vol. 59, p. 688.
503. Aftienjew, J., Zawisza, A., *J. Chem. Thermodyn.*, 1977, Vol. 9, p. 153.
504. Ma, P., Ma, Y., Zhang, J., *J. Chem. Eng. Chin. Univer.*, 1991, Vol. 5, p. 175.
505. Gude, M. T., Teja, A. S., *AIChE Symp. Ser.*, 1994, Vol. 90, p. 14.
506. Kreglewski, A., Kay, W. B., *J. Phys. Chem.*, 1969, Vol. 73, p. 3359.
507. Young, C. L., *Int. Data, Ser. A*, 1974, Vol. 74, p. 47.
508. Young, C. L., *Int. Data, Ser. A*, 1975, Vol. 68, p. 66.

509. Quadri, S. K., Khilar, K. C., Kudchadker, A. P., Patni, M. J., *J. Chem. Thermodyn.*, 1991, Vol. 23, p. 67.
510. Nikitin, E. D., Pavlov, P. A., Skripov, P. V., *J. Chem. Thermodyn.*, 1993, Vol. 25, p. 869.
511. Kreglewski, A., *Rocz. Chem.*, 1957, Vol. 31, p. 1001.
512. Anselme, M. J., Gude, M., Teja, A. S., *Fluid Phase Equilibria*, 1990, Vol. 57, p. 317.
513. Amir Khanov, Kh. I., Vikhrov, D. I., Alibekov, B. G., Mirskaya, V. A., *Isochoric Heat Capacities and Other Caloric Properties of Hydrocarbons*, Dagestan Sci. Center, Russ. Acad. Sci., Makhachkala, 1981.
514. Zagoruchenko, V. A., Gyske, D. N., *Thermophysical Properties of Hydrocarbons, Their Mixtures, Oils, and Oils Fractions*, GSSSD, Moscow, 1973, p. Vol. 1, p. 23.
515. Kay, W. B., *J. Chem. Eng. Data*, 1970, Vol. 15, p. 46.
516. Reamer, H. H., Sage, B. H., Lacey, W. N., *Ind. Eng. Chem.*, 1953, Vol. 45, p. 1805.
517. Ambrose, D., Tsonopoulos, C., *J. Chem. Eng. Data*, 1995, Vol. 40, p. 531.
518. ESDU 84022. Engineering Sciences Data Unit, London, 1984.
519. ESDU International, Part 1A, C1 to C18 Alkanes, Data Item 87010, London, (1987).
520. Pawlewski, B., *Ber. Dtsch. Chem. Ges.*, 1882, Vol. 15, pp. 2143–2460.
521. Jordan, L. W., Kay, W. B., *Chem. Eng. Symp. Ser.*, 1968, Vol. 44, p. 48.
522. Glaser, F., Ruland, H., *Chem.-Ing. Tech.*, 1957, Vol. 29, p. 772.
523. McMicking, J. H., Kay, W. B., *Proc. API*, Sec. III, *Refining*, 1965, Vol. 45, p. 75.
524. De Loos, Th. W., Poot, W., de Swaan Arons, J., *Fluid Phase Equilibria*, 1988, Vol. 42, p. 209.
525. Kay, W. B., *J. Am. Chem. Soc.*, 1990, Vol. 68, p. 1336.
526. Wolff, H., Shadiakhy, A., *Fluid Phase Equilibria*, 1981, Vol. 7, p. 309.
527. Smith, B. D., Srivastava, R., *Thermodynamic Data for Pure Compounds*. Part A. *Hydrocarbons and Ketones*. Part B. *Halogenated Hydrocarbons and Alcohols*, Physical Sciences Data, Elsevier, Amsterdam, 1968.
528. Nichols, W. B., Reamer, H. H., Sage, B. H., *AIChE J.*, 1957, Vol. 3, p. 262.
529. Winkelmann, A., *Handbuch der Physik*, Verlag von Waorme, Leipzig, 1906, p. 73.
530. Merckel, J. H. C., *Proc. Kon. Nederland Akad. Wetenschap.*, 1937, Vol. 40, p. 164.
531. Ipatieff, V. N., Monroe, G. S., *Ind. Eng. Chem., Anal. Ed.*, 1942, Vol. 14, p. 171.
532. Mousa, A. H. N., Kay, W. B., Kreglewski, A., *J. Chem. Thermodyn.*, 1972, Vol. 4, p. 301.
533. Kay, W. B., Hissong, D. W., *Proc. Am. Petrol. Inst. Ref. Div.*, 1967, Vol. 47, p. 653.
534. Kay, W. B., *J. Phys. Chem.*, 1964, Vol. 68, p. 827.
535. Kay, W. B., Young, C. L., *Int. Data, Ser. A*, 1975, Vol. 52, p. 54.
536. Pak, S. C., Kay, W. B., *Ind. Eng. Chem. Fundam.*, 1972, Vol. 11, p. 255.
537. Ratzsch, M. T., Strauch, G., *Z. Phys. Chem. (Leipzig)*, 1972, Vol. 249, p. 243.
538. Tashmakhamedov, F., *Russ. Phys. Acoust.*, 1972, Vol. 17, p. 527.
539. Genco, J. M., Teja, A. S., Kay, W. B., *J. Chem. Eng. Data*, 1980, Vol. 25, p. 355.
540. Mandlekar, A. V., Kay, W. B., Smith, R. L., Teja, A. S., *Fluid Phase Equilibria*, 1985, Vol. 23, p. 79.
541. Zawisza, A., *J. Chem. Thermodyn.*, 1985, Vol. 17, p. 941.
542. Rossini, F. D., *Selected Values of Physical and Thermodynamic Properties of Hydrocarbons*, API, Carnegie Press, Pittsburgh, 1953.
543. Chun, S. W., Ph.D. Thesis, The Ohio State University, Columbus, Ohio, 1965.
544. Kay, W. B., *Ind. Eng. Chem.*, 1938, Vol. 30, p. 459.
545. Kay, W. B., *Ind. Eng. Chem.*, 1941, Vol. 33, p. 590.
546. Kay, W. B., *Ind. Eng. Chem.*, 1948, Vol. 40, p. 1459.
547. Kobe, K. A., Mathews J. F., *J. Chem. Eng. Data*, 1970, Vol. 15, p. 182.
548. Artyukhovskaya, L. M., Shimanskaya, E. T., Shimanskii, Yu. I., *Russ. J. Exp. Theor. Phys.*, 1972, Vol. 63, p. 2159.



549. *International Critical Tables*, McGraw Hill Book Company, Inc., New York, 1928, Vol. III, p. 249.
550. Khalilov, K., *Russ. J. Exp. Theor. Phys.*, 1939, Vol. 9, p. 335.
551. Edgar, G., Calingaert, G., *J. Am. Chem. Soc.*, 1929, Vol. 51, p. 1540.
552. Zawisza, A., Vejrosta, J., *J. Chem. Thermodyn.*, 1982, Vol. 14, p. 239.
553. Butcher, K. L., Ramasubramanian, K. R., Medani, M. S., *J. Appl. Biotechnol.*, 1972, Vol. 22, p. 1139.
554. Kobe, K. A., Crawford, H. R., Stephenson, R. W., *Ind. Eng. Chem.*, 1955, Vol. 47, p. 1767.
555. ESDU 84028. Engineering Sciences Data Unit, London, 1984.
556. Kreglewski, A., *Rocz. Chem.*, 1955, Vol. 29, p. 95.
557. Mogollon, E., Kay, W. B., Teja, A. S., *Ind. Eng. Chem. Fundam.*, 1983, Vol. 21, p. 173.
558. Matzik, I., Schneider, G. M., *Ber. Bunsenges. Phys. Chem.*, 1985, Vol. 89, p. 551.
559. Smith, Jr., R. L., Anselme, M. J., Teja, A. S., *Proc. World Congr. III. Chem. Eng.*, Tokyo, 1986, II, p. 135.
560. Smith, Jr., R. L., Teja, A. S., Kay, B. W., *AIChE J.*, 1987, Vol. 33, p. 232.
561. Pak, S. C., Kay, W. B., *Ind. Eng. Chem. Fundam.*, 1972, Vol. 11, p. 255.
562. Kay, W. B., Pak, S. C., *J. Chem. Thermodyn.*, 1980, Vol. 12, p. 673.
563. Allemand, N., Jose, J., Merlin, J. C., *Thermochim. Acta*, 1986, Vol. 105, p. 79.
564. Brunner, E., *J. Chem. Thermodyn.*, 1987, Vol. 19, p. 823.
565. Knipmeyer, S. E., Archer, D. G., Chirico, R. D., Gawmon B. E., Hossenlopp, I. A., Nguyen, A., Smith, N. K., Steel, W. V., Strube, M. M., *Fluid Phase Equilibria*, 1989, Vol. 52, p. 185.
566. ESDU 85022. Engineering Sciences Data Unit, London, 1985.
567. Gehrig, M., Lentz, H., *Erdoel Kohle, Erdgas, Petrochem.*, 1983, Vol. 36, p. 277.
568. Reamer, H. H., Sage, B. H., *J. Chem. Eng. Data*, 1963, Vol. 8, p. 508.
569. Shim, J., Kohn, J. P., *J. Chem. Eng. Data*, 1962, Vol. 7, p. 3.
570. Thomas, G. L., Young, S., *J. Chem. Soc.*, 1995, Vol. 67, p. 1071.
571. Mel'nikov, G. A., Verveiko, V. N., Otpushennikov, N. F., *Russ. J. Phys. Chem.*, 1988, Vol. 62, p. 798.
572. Daridon, J. L., Lagonrette, B., Grolier, J.-P.E., *Int. J. Thermophys.*, 1998, Vol. 19, p. 145.
573. Stewart, D. E., Sage, B. H., Lacey, W. N., *Ind. Eng. Chem.*, 1954, Vol. 46, p. 2529.
574. Zotov, V. V., Neruchev, Yu. A., *Ultrasonic and Thermodynamic Properties of Substances*, Kursk Pedagogical Institute, Kursk, 1986, pp. 34–42.
575. Kuss, E., Tasslimi, M., *Chem.-Ing. Tech.*, 1970, Vol. 42, p. 1073.
576. Carney, B. R., *Petrol. Refiner*, 1942, Vol. 21, p. 274.
577. Dornte, R. W., Smyth, C. P., *J. Am. Chem. Soc.*, 1930, Vol. 52, p. 3546.
578. Chappelow, C. C., Snyder, P. S., Winnick, J., *J. Chem. Eng. Data*, 1971, Vol. 16, p. 440.
579. Christopher, P. M., Laukhuf, W. L. S., Plank, C. A., *J. Chem. Eng. Data*, 1980, Vol. 21, p. 443.
580. Doolittle, A. K., Peterson, R. H., *J. Am. Chem. Soc.*, 1951, Vol. 73, p. 2145.
581. Nichols, W. B., Reamer, H. H., Sage, B. H., *Ind. Eng. Chem.*, 1955, Vol. 47, p. 2219.
582. Carmichael, L. T., Sage, B. H., Lacey, W. N., *Ind. Eng. Chem.*, 1953, Vol. 45, p. 2697.
583. Reamer, H. H., Olds, R. H., Sage, B. H., Lacey, W. N., *Ind. Eng. Chem.*, 1942, Vol. 34, p. 1526.
584. Sagdeev, D. I., Mukhamedzyanov, G. Kh., *Tr. Kazansk. Khim.-Tekhnol. Inst.*, Kazan, 1989, pp. 21–24.
585. Beaudoin, J. M., Kohn, J. P., *J. Chem. Eng. Data*, 1967, Vol. 12, p. 189.
586. Campbell, S. W., Wilsak, R. A., Thodos, G., *J. Chem. Eng. Data*, 1986, Vol. 31, p. 424.
587. Kiselev, S. B., Ely, J., Abdulgatov, I. M., Bazaev, A. R., Magee, J. W., *Ind. Eng. Chem. Res.*, 2001, Vol. 41, p. 1000.

588. Fransson, E., Barreau, A., Vidal, J., *J. Chem. Eng. Data*, 1992, Vol. 37, p. 521.
589. Keyes, F. G., Smith, L. B., *Proc. Am. Acad. Arts Sci.*, 1933, Vol. 68, p. 505.
590. Leu, A., Robinson, D. B., *J. Chem. Eng. Data*, 1987, Vol. 32, p. 447.
591. Olivares Fuentes, A., Cansino, J. S., Rodriguez, A. T., *Rev. Mexicana de Fisica*, 1983, Vol. 30, p. 63.
592. Li, I. P. C., Wong, Y.-W., Chang, S.-D., Lu, B. C.-Y., *J. Chem. Eng. Data*, 1972, Vol. 17, p. 492.
593. Young, S., *Proc. Roy. Irish Acad.*, 1928, Vol. 38B, p. 65.
594. Besserer, G. J., Robinson, D. B., *J. Chem. Eng. Data*, 1973, Vol. 18, p. 416.
595. Kay, W. B., *J. Chem. Eng. Data*, 1971, Vol. 16, p. 137.
596. Bich, E., Lober, T., Millat, J., *Fluid Phase Equilibria*, 1992, Vol. 75, p. 149.
597. Smyth, C. P., Engle, E. W., *J. Am. Chem. Soc.*, 1929, Vol. 51, p. 2646.
598. Wiczorek, S. A., Stecki, J., *J. Chem. Thermodyn.*, 1978, Vol. 10, p. 177.
599. Brown, I., *Aust. J. Sci. Res.*, 1952, Vol. A5, p. 530.
600. Leslie, E. H., Carr, A. R., *Ind. Eng. Chem.*, 1925, Vol. 17, 810.
601. Oscarson, J. L., Lundell, S. O., Cunningham, J. R., *AIChE Symp. Ser.*, 1987, Vol. 83, p. 1.
602. Smith, E. R., *J. Res. Nat. Bur. Stand. (U.S.)*, 1940, Vol. 24, p. 229.
603. Felsing, W. A., Watson, G. M., *J. Am. Chem. Soc.*, 1942, Vol. 64, p. 1882.
604. Weber, L. A., *Fluid Phase Equilibria*, 1999, Vol. 162, p. 31.
605. Millat, J., Bich, E., Hendl, H., Neumann A., *High Temperatures — High Pressures*, 1994, Vol. 26, p. 251.
606. Wisniewska, B., Gregorewicz, J., Malanowski, S., *Fluid Phase Equilibria*, 1993, Vol. 86, p. 173.
607. Smith, E. R., Matheson, H., *J. Res. Nat. Bur. Stand. (U.S.)*, 1957, Vol. 20, p. 641.
608. Carruth, G. F., Kobayashi, R., *J. Chem. Eng. Data*, 1973, Vol. 18, p. 115.
609. Reamer, H. H., Sage, B. H., *J. Chem. Eng. Data*, 1963, Vol. 8, p. 508.
610. Beaudoin, J. M., Kohn, J. P., *J. Chem. Eng. Data*, 1967, Vol. 12, p. 189.
611. Willman, B., Teja, A. S., *J. Chem. Eng. Data*, 1985, Vol. 30, p. 116.
612. Griswold, J., Andres, D., Klein, V. A., *Trans. Am. Inst. Chem. Engrs.*, 1943, Vol. 39, p. 223.
613. Abdulgatov, I. M., Magee, J. M., *A Database for Isochoric Heat Capacity of Technically Important Fluids and Fluid Mixtures*, Nat. Inst. Tech. Stand. (U.S.), NISTIR, 2001 (unpublished).
614. Tillner-Roth, R., Harms-Watzenberg, F., Baehr, H. D., *Eine neue Fundamentalgleichung fuer Ammoniak*, DKV-Tagungsbericht, 1993, Vol. 20, p. 167.
615. Tillner-Roth, R., Baehr, H. D., *J. Phys. Chem. Ref. Data*, 1994, Vol. 23, p. 657.
616. Tillner-Roth, R., Yokozeki, A., *J. Phys. Chem. Ref. Data*, 1997, Vol. 26, p. 1273.
617. Stewart, R. B., Jacobsen, R. T., Wagner, W., *J. Phys. Chem. Ref. Data*, 1991, Vol. 20, p. 917.
618. de Reuck, K. M., *International Thermodynamic Tables of the Fluid. State-11 Fluorine*, IUPAC, Pergamon Press, Oxford, 1990.
619. Juza, J., Sifner, O., *Acta Technica Csav*, 1976, Vol. 1, p. 1.
620. Jahangiri, M., Jacobsen, R. T., Stewart, R. B., McCarty, R. D., *J. Phys. Chem. Ref. Data*, 1998, Vol. 15, p. 593.
621. Magee, J. W., Kobayashi, R., *Proc. 8th Symp. on Thermophysical Properties.*, Vol. 1: *Thermophysical Properties of Fluids*, Sengers, J. V., Ed., ASME, New York, 1982, pp. 321–325.
622. Magee, J. W., Ph.D. Thesis, Rice University, Houston, Texas, 1983.
623. Magee, J. W., *20th Japan Symp. on Thermophysical Properties*, Tokyo, 1999, pp. 473–478.

624. Amirkhanov, Kh. I., Abdulagatov, I. M., Alibekov, B. G., Vikhrov, D. I., Mirskaya, V. A., *Russ. J. High Temp.*, 1983, Vol. 22, p. 1116.
625. Theeuwes, F., Bearman, R. J., *J. Chem. Thermodyn.*, 1970, Vol. 2, p. 513.
626. Bearman, R. J., Theeuwes, F., Bearman, M. Y., Mandel, F., Throop, G. J., *J. Chem. Phys.*, 1970, Vol. 52, p. 5486.
627. Stephenson, J., *Can. J. Phys.*, 1975, Vol. 53, p. 1367.
628. Stephenson, J., *Can. J. Phys.*, 1976, Vol. 54, p. 1282.
629. Diller, D. E., *Cryogenics*, 1971, Vol. 6, p. 186.
630. Gladun, C., *Cryogenics*, 1971, Vol. 4, p. 78.
631. Gladun, C., *Cryogenics*, 1971, Vol. 6, p. 205.
632. Abdulagatov, I. M., Stepanov, G. V., Bou, O. A., *J. Chem. Thermodyn.*, 1991, Vol. 23, p. 617.
633. Gaddy, E. M., White, J. A., *Phys. Rev. A*, 1982, Vol. 26, p. 2218.
634. Kiselev, S. B., Ely, J., Abdulagatov, I. M., Magee, J. W., *Int. J. Thermophys.*, 2000, Vol. 21, p. 356.
635. Abdulagatov, I. M., Levina, L. N., Zakaryaev, Z. R., Mamchenkova, O. N., *J. Chem. Thermodyn.*, 1995, Vol. 27, p. 1385.
636. Amirkhanov, Kh. I., Abdulagatov, I. M., Alibekov, B. G., Stepanov, G. V., Bouy, O. A., *J. Chem. Thermodyn.*, 1988, Vol. 20, p. 513.
637. Polikhronidi, N. G., Abdulagatov, I. M., Batyrova, R. G., *Int. J. Thermophys.*, 2000, Vol. 21, p. 1073.
638. Abdulagatov, I. M., Polikhronidi, N. G., Batyrova, R. G., *J. Chem. Thermodyn.*, 1994, Vol. 26, p. 1031.
639. Abdulagatov, I. M., Levina, L. N., Zakaryaev, Z. R., Mamchenkova, O. N., *Fluid Phase Equilibria*, 1997, Vol. 127, p. 205.
640. Anisimov, M. A., Kovalchuk, B. A., Rabinovich, V. A., Smirnov, V. A., *Thermophys. Properties Substances Mater.*, GSSSD, Moscow, 1975, Vol. 8, p. 237.
641. Anisimov, M. A., Beketov, V. G., Voronov, V. P., Nagaev, V. B., Smirnov, V. A., *Thermophys. Properties Substances Mater.*, GSSSD, Moscow, 1982, Vol. 16, p. 48.
642. Anisimov, M. A., Beketov, V. G., Voronov, V. P., Nagaev, V. B., Smirnov, V. A., *Thermophys. Properties Substances Mater.*, GSSSD, Moscow, 1982, Vol. 16, p. 124.
643. Adamov, Sh. P., Anisimov, M. A., Smirnov, V. A., *Thermophys. Properties Substances Mater.*, GSSSD, Moscow, 1983, Vol. 18, p. 7.
644. Magee, J. W., Ely, J. F., *Int. J. Thermophys.*, 1986, Vol. 7, p. 1163.
645. Duarte-Garza, H. A., Magee, J. W., *Int. J. Thermophys.*, 1997, Vol. 18, p. 173.
646. Duarte-Garza, H. A., Magee, J. W., *Int. J. Thermophys.*, 1999, Vol. 20, p. 1483.
647. Magee, J. W., *J. Res. Nat. Inst. Stand. Tech.*, 1991, Vol. 96, p. 725.
648. Fisher, M. E., Orkoulas, G., *Phys. Rev. Lett.*, 2000, Vol. 85, p. 696.
649. Orkoulas, G., Fisher, M. E., Ustun, C., *J. Chem. Phys.*, 2000, Vol. 113, p. 7530.
650. Yang, C. N., Yang, C. P., *Phys. Rev. Lett.*, 1969, Vol. 13, p. 303.
651. Wyczalkowska, A., Anisimov, M. A., Sengers, J. V., Kim, Y. C., *J. Chem. Phys.*, 2002, Vol. 116, p. 4202.
652. Amirkhanov, Kh. I., Stepanov, G. V., Abdulagatov, I. M., Bou, O. A., *Isochoric Heat Capacity of Propan-1-ol and Propan-2-ol*, Dagestan Sci. Center, Russ. Akad. Sci., Mak-hachkal, 1989.
653. Hill, P. G., Macmillan, R. D. C., *Ind. Eng. Chem. Res.*, 1988, Vol. 27, p. 874.
654. Kiselev, S. B., *Fluid Phase Equilibria*, 1998, Vol. 147, p. 7.
655. Kadanoff, L. P., *Physica*, 1966, Vol. 2, p. 263.
656. Potashinskii, A. Z., Pokrovskii, V. L., *Zh. Eksp. Teor. Fiz.*, 1966, Vol. 50, p. 439.
657. Migdal, A. A., *Zh. Eksp. Teor. Fiz.*, 1968, Vol. 55, p. 1964.
658. Polyakov, A. M., *Zh. Eksp. Teor. Fiz.*, 1968, Vol. 55, p. 1026.

659. Wilson, K. G., *Phys. Rev.*, 1971, Vol. 4, p. 3174.
660. Wilson, K., Kogut, J., *The Renormalization Group and  $\epsilon$ -Expansion*, Wiley, New York, 1974.
661. Ma, S., *Modern Theory of Critical Phenomena*, Benjamin, Mass., 1976.
662. Sengers, J. V., Levelt-Sengers, J. M. H., *Critical Phenomena in Classical Fluids*, Croxton, C. A., Ed., *Progress in Liquid Physics*, Wiley, New York, 1978, p. 103.
663. Anisimov, M. A., *Critical Phenomena in Liquids and Liquid Crystals*, Gordon and Breach, Philadelphia, 1991.
664. Wegner, F. J., *Phys. Rev. B*, 1972, Vol. 5, p. 4529.
665. Ley-Koo, M., Green, M. S., *Phys. Rev. A*, 1981, Vol. 23, p. 2650.
666. Saul, D. M., Wortis, M., Jasnow, D., *Phys. Rev. B*, 1975, Vol. 11, p. 2571.
667. Camp, W. J., Van Dyke, J. P., *Phys. Rev. B*, 1975, Vol. 11, p. 2579.
668. Liu, A. J., Fisher, M. E., *Physica A*, 1989, Vol. 156, p. 35.
669. Tang, S., Sengers, J. V., Chen, Z. Y., *Physica*, 1991, Vol. 179, p. 344.
670. Bagnuls, C., Bervilliev, C., Meiron, D. I., Nickel, B. C., *Phys. Rev. B*, 1987, Vol. 35, p. 3585.
671. Bagnuls, C., Bervilliev, C., *Phys. Rev. B*, 1985, Vol. 32, p. 7209.
672. Beck, L., Ernst, G., Gurtner, J., *J. Chem. Thermodyn.*, 2000, Vol. 34, p. 277.
673. Fisher, M. E., *Phys. Rev.*, 1968, Vol. 176, p. 237.
674. Potashinskii, A. Z., Pokrovskii, V. L., Khokhlachev, S. B., *Zh. Eksp. Teor. Fiz.*, 1972, Vol. 63, p. 1521.
675. Anisimov, M. A., Kiselev, S. B., *Thermophysical Properties of Liquids and Liquid Solutions in Critical Region. Sov. Tech. Rev., Ser. B, Thermophysics*, Harwood Academic Publisher, New York, 1987, Vol. 1, p. 337.
676. Anisimov, M. A., Gorodezkii, E. E., Kulikov, V. D., Sengers, J. V., *Phys. Rev. E*, 1995, Vol. 51, p. 1199.
677. Anisimov, M. A., Gorodezkii, E. E., Kulikov, V. D., Povodyrev, A. A., Sengers, J. V., *Physica A*, 1995, Vol. 220, p. 277.
678. Anisimov, M. A., Gorodezkii, E. E., Kulikov, V. D., Sengers, J. V., *Pis'ma Zh. Eksp. Teor. Fiz.*, 1994, Vol. 60, p. 535.
679. Povodyrev, A. A., Kiselev, S. B., Anisimov, M. A., *Int. J. Thermophys.*, 1993, Vol. 14, p. 1187.
680. Kiselev, S. B., Kostukova, I. G., Povodyrev, A. A., *Int. J. Thermophys.*, 1991, Vol. 12, p. 877.
681. Fakhretdinov, I. A., Chalyi, A. V., *Izv. Vyssh. Uchebn. Zaved., Ser. Fizika*, 1976, Vol. 1, p. 35.
682. Barantsev, V. G., Kuz'min, V. D., *Physics of Liquid State*, KGU, Kiev, 1977, p. 32.
683. Thompson, C. J., *J. Math. Phys.*, 1966, Vol. 7, p. 531.
684. Mikulinskii, M. A., *Usp. Fiz. Nauk*, 1973, Vol. 110, p. 213.
685. Gorodezkii, E. E., Mikulinskii M. A., *Zh. Eksp. Teor. Fiz.*, 1974, Vol. 66, p. 986.
686. Kiselev, S. B., Kulikov, V. D., *Int. J. Thermophys.*, 1997, Vol. 18, p. 1143.
687. Kiselev, S. B., Rainwater, J. C., Huber, M. L., *Fluid Phase Equilibria*, 1998, Vol. 150, 469.
688. Kiselev, S. B., Rainwater, J. C., *Fluid Phase Equilibria*, 1997, Vol. 141, p. 129.
689. Abdulagatov, I. M., Bochkov, M. M., Mursalov, B. A., *Thermophys. Properties Substances Mater.*, GSSSD, Moscow, 1989, Vol. 27, p. 95.
690. Abdulagatov, I. M., Kiselev, S. B., Levina, L. N., Zakar'yaev, Z. R., Mamchenkova, O. N., *Int. J. Thermophys.*, 1997, Vol. 17, p. 423.
691. Nicoll, J. F., *Phys. Rev. A*, 1981, Vol. 24, p. 2203.
692. Hensel, F., *Adv. Phys.*, 1995, Vol. 44, p. 3.
693. Mermin, N. D., *Phys. Rev. Lett.*, 1971, Vol. 26, p. 169.

694. Rehr, J. J., Mermin, N. D., *Phys. Rev. A*, 1973, Vol. 8, p. 472.
695. Widom, B., Rowlinson, J. S., *J. Chem. Phys.*, 1970, Vol. 52, p. 1670.
696. Hemmer, P. C., Stell, G., *Phys. Rev. Lett.*, 1970, Vol. 24, p. 1284.
697. Wallace, B., Meyer, H., *Phys. Rev. A*, 1970, Vol. 2, p. 1610.
698. Levelt-Sengers, J. M. H., Straub, J., Vicentini-Missoni, M., *J. Chem. Phys.*, 1991, Vol. 54, p. 5034.
699. Dymond, J. H., Smith, E. B., *The Virial Coefficients of Pure Gases and Mixtures*, Clarendon Press, Oxford, UK, 1980.
700. Pompe, B. A., Spurling, T. H., *Virial Coefficients for Gaseous Hydrocarbons*, CSIRO, Melbourne, 1974.
701. Mason, E. A., Spurling, T. H., *The Virial Equation of State*, Pergamon, New York, 1969.
702. Weber, L. A., *Fluid Phase Equilibria*, 1999, Vol. 162, p. 31.
703. Harvey, A. H., *Proc. 13th Int. Conference on the Properties of Water and Steam*, Tremaine, P. R., Hill, Ph. G., Irish, D. E., Balakrishnan, P. V., Eds., NRC Research Press, Ottawa, 2000, p. 571.
704. Kaplun, A. B., Meshalkin, A. B., *High Temperatures — High Pressures*, 1999, Vol. 31, p. 153.
705. Eubank, P. T., Jeffrion, L. L., Patel, M. R., Warowny, W., *J. Chem. Thermodyn.*, 1988, Vol. 20, p. 1009.
706. Dymond, J. H., *Fluid Phase Equilibria*, 1986, Vol. 27, p. 1.
707. Strelkov, P. G., Izkevich, E. S., Kostrukov, V. N., *Russ. J. Phys. Chem.*, 1954, Vol. 28, p. 459.
708. Voronel, A. V., Strelkov P. G., *Apparatus and Technique of Measurements*, 1960, Vol. 6, p. 111.
709. Chashkin, Yu. R., Smirnov, V. A., Voronel, A. V., *Thermophys. Properties Substances Mater.*, GSSSD, Moscow, 1970, Vol. 2, p. 139.
710. Voronel, A. V., *Phase Transitions and Critical Phenomena*, Domb C., Green, M. S. Eds., Academic Press, London, 1976, Vol. 5A, Chap. 5.
711. Voronel, A. V., Gorbunova, V. G., Chashkin, Ya. R., Shekochikhina, V. V., *Russ. J. Exp. Theor. Phys.*, 1966, Vol. 50, p. 897.
712. Shavandrin, A. M., Potapova, N. M., Chashkin, Ya. R., *Thermophys. Properties Substances Mater.*, GSSSD, Moscow, 1976, Vol. 9, p. 141.
713. Chashkin, Ya. R., Voronel, A. V., Smirnov, V. A., Gorbunova, V. G., *Russ. J. Exp. Theor. Phys.*, 1967, Vol. 52, p. 112.
714. Goodwin, R. D., *J. Res. Nat. Bur. Stand. (U.S.)*, 1961, Vol. 65, p. 231.
715. Gladun, G., *Cryogenics*, 1966, Vol. 6, p. 27.
716. Goodwin, R. D., Weber, L. A., *J. Res. Nat. Bur. Stand. (U.S.)*, 1969, Vol. 73A, p. 1.
717. Goodwin, R. D., Weber, L. A., *J. Res. Nat. Bur. Stand. (U.S.)*, 1969, Vol. 73A, p. 15.
718. Magee, J. W., Deal, R. J., Blanco, J. C., *J. Res. NIST*, 1998, Vol. 103, p. 63.
719. Mayrath, J. E., Magee, J. W., *J. Chem. Thermodyn.*, 1989, Vol. 21, p. 499.
720. Weber, L. A., *J. Chem. Thermodyn.*, 1981, Vol. 13, p. 389.
721. Weber, L. A., *J. Chem. Eng. Data*, 1982, Vol. 27, p. 203.
722. Goodwin, R. D., Prydz, R., *J. Res. Nat. Bur. Stand. (U.S.)*, 1970, Vol. 74A, p. 499.
723. Prydz, R., Goodwin, R. D., *J. Res. Nat. Bur. Stand. (U.S.)*, 1970, Vol. 74A, p. 661.
724. Roder, H. M., *J. Res. Nat. Bur. Stand. (U.S.)*, 1976, Vol. 80A, p. 739.
725. Younglove, B. A., Diller, D. E., *Cryogenics*, 1962, Vol. 2, p. 348.
726. Younglove, B. A., *J. Res. Nat. Bur. Stand. (U.S.)*, 1974, Vol. 78A, p. 401.
727. Buckingham, M. J., Edwards, C., Lipa, J. A., *Rev. Sci. Instrum.*, 1973, Vol. 44, p. 1167.
728. Lipa, J. A., Edwards, C., Buckingham, M. J., *Phys. Rev. A*, 1977, Vol. 15, p. 778.
729. Lipa, J. A., Edwards, C., Buckingham, M. J., *Phys. Rev. Lett.*, 1970, Vol. 25, p. 1086.
730. Wurz, V., Grubic, M., *J. Phys. E, Sci. Instrum.*, 1980, Vol. 13, p. 525.

731. Kruger, K., *Fortschritt-Berichte VDI-Zeitschrift*, Reihe, 1964, Vol. 6, p. 1.
732. Michels, A., Strijland, I. C., *Physics*, 1952, Vol. 18, p. 613.
733. Ernst, G., Gurtner, J., Beck, L., *J. Chem. Thermodyn.*, 1997, Vol. 29, p. 1189.
734. Gurtner, J., *Fortschritt-Berichte VDI-Zeitschrift*, Reihe Nr. 572. VDI-Verlag: Düsseldorf, Dissertation, Universität Karlsruhe, 1996.
735. Amir Khanov, Kh. I., *Adiabatic Calorimeter*, Inventor's Certificate No. 77653, MKL G No. 25/20, 1948.
736. Amir Khanov, Kh. I., Ph.D. Thesis, Leningrad, 1943.
737. Abdulagatov, I. M., Levina, L. N., Zakar'yaev, Z. R., Mamchenkova, O. N., *Dokl. Ross. Akad. Nauk*, 1994, Vol. 339, p. 764.
738. Abdulagatov, I. M., Levina, L. N., Zakaryaev, Z. R., Mamchenkova, O. N., *Proc. Fourth Asian Thermophysical Properties Conference*, Tokyo, 1995, p. 635.
739. Abdulagatov, I. M., Polikhronidi, N. G., Batyrova, R. G., *Ber. Bunsenges. Phys. Chem.*, 1994, Vol. 98, p. 1068.
740. Bochkov, M. M., Abdulagatov, I. M., Mursalov, B. A., *Teploenergetika*, 1988, Vol. 1, p. 67.
741. Polikhronidi, N. G., Batyrova, R. G., Abdulagatov, I. M., *Fluid Phase Equilibria*, 2000, Vol. 175, p. 153.
742. Abdulagatov, I. M., Dvoryanchikov, V. I., Kamalov, A. N., Abramova, E. G., Abdurashidova, A. A., *J. Solution Chem.*, 1999, Vol. 28, p. 871.
743. Abdulagatov, I. M., Dvoryanchikov, V. I., Mursalov, B. A., Kamalov, A. N., *Fluid Phase Equilibria*, 1998, Vol. 150, p. 525.
744. Abdulagatov, I. M., Dvoryanchikov, V. I., Aliev, M. M., Kamalov, A. N., *Proc. 13th Int. Conference on the Properties of Water and Steam*, Tremaine, P. R., Hill, Ph. G., Irish, D. E., Balakrishnan, P. V., Eds., NRC Research Press, Ottawa, 2000, pp. 157–164.
745. Amir Khanov, Kh. I., Polikhronidi, N. G., Alibekov, B. G., Batyrova, R. G., *Thermophysical Properties of Substances at Condensed State*, Dagestan Branch, USSR Acad. Sci., Makhachkala, 1982, p. 3.
746. Amir Khanov, Kh. I., Alibekov, B. G., Polikhronidi, N. G., Batyrova, R. G., *Thermophysical Properties of Liquids and Gases*, Dagestan Branch, USSR Acad. Sci., Makhachkala, 1979, p. 15.
747. Amir Khanov, Kh. I., Alibekov, B. G., Polikhronidi, N. G., Batyrova, R. G., *Thermophys. Properties Substances Mater.*, GSSSD, Moscow, 1982, Vol. 16, p. 17.
748. Mursalov, B. A., Bochkov, M. M., *Thermophysical Properties of Individual Substances and Mixtures*, Dagestan Branch, USSR Acad. Sci., Makhachkala, 1989, p. 5.
749. Zakar'yaev, Z. R., *Apparatus and Technique of Experiments*, 1986, Vol. 5, p. 210.
750. Zakar'yaev, Z. R., *Russ. Phys. Eng. J.*, 1982, Vol. 53, p. 796.
751. Zakar'yaev, Z. R., *Thermophysical Properties of Liquids and Gases*, Dagestan Branch, USSR Acad. Sci., Makhachkala, 1979, p. 52.
752. Zakar'yaev, Z. R., Ph.D. Thesis, Geothermal Sci.-Res. Institute, Dagestan Sci. Center, Russ. Acad. Sci., Makhachkala, 1995.
753. Vargaftik, N. B., Vinogradov, Y. K., Yargin, V. S., *Handbook of Physical Properties of Liquids and Gases. Pure Substances and Mixtures*, 3rd augm. rev. ed., Begell House, New York, Wallingford (UK), 1996.
754. Porovskii, V. M., Deryagin, B. V., *Dokl. Akad. Nauk SSSR*, 1964, Vol. 159, p. 897.
755. Bestujeva, A. C., Ph.D. Thesis, MPI, Moscow, 1968.
756. Defoe, C. G., Furukawa, G. T., *J. Am. Chem. Soc.*, 1953, Vol. 75, p. 522.
757. Kirilin, V. A., Sheidlin, A. E., *Fundamentals of Experimental Thermodynamics* Moscow, 1948.
758. Polikhronidi, N. G., Batyrova, R. G., Abdulagatov, I. M., *Int. J. Thermophys.*, 2004 (in press).

759. Kuroki, T., Kagawa, N., Endo, H., Tsuruno, S., Magee J. W., *J. Chem. Eng. Data*, 2001, Vol. 46, p. 1101.
760. Kerimov, A. M., Alieva, M. K., Muradov, A. A., *Thermophysical Properties of Liquids*, Nauka, Moscow, 1970, p. 179.
761. Kerimov, A. M., Alieva, M. K., *Thermophysical Properties of Liquids*, Nauka, Moscow, 1970, p. 172.
762. Sato, H., Watanabe, K., Levelt Sengers, J. M. H., Gallagher, J. S., Hill, P. G., Straub, J., Wagner, W., *J. Phys. Chem. Ref. Data*, 1991, Vol. 20, p. 1023.
763. Preston-Thomas, H., *Metrologia*, 1990, Vol. 17, p. 3.
764. Rosby, R. L., *J. Chem. Thermodyn.*, 1991, Vol. 23, p. 1153.
765. Amirkhanov, Kh. I., Stepanov, G. V., Mursalov, B. A., Bouy, O. A., *Teploenergetika*, 1973, Vol. 22, p. 68.
766. Polikhronidi, N. G., Abdulagatov, I. M., Magee, J. W., Stepanov, G. V., *Int. J. Thermophys.*, 2002, Vol. 23, p. 745.
767. Amirkhanov, Kh. I., Stepanov, G. V., Mursalov, B. A., Bouy, O. A., *Dokl. Akad. Nauk SSSR*, 1965, Vol. 163, p. 1189.
768. Fisher, M. E., Levin, Y., *Phys. Rev. Lett.*, 1993, Vol. 71, p. 3826.
769. Weiss, V. C., Schroer, W., *J. Chem. Phys.*, 1997, Vol. 106, p. 1930.
770. Weingartner, H., Kleemeier, M., Wiegand, S., Schroer, W., *J. Stat. Phys.*, 1995, Vol. 78, p. 169.
771. Narayanan, T., Pitzer, K. S., *J. Chem. Phys.*, 1995, Vol. 102, p. 8118.
772. Narayanan, T., Pitzer, K. S., *Phys. Rev. Lett.*, 1994, Vol. 73, p. 3002.
773. Jacob, J., Kumar, A., Anisimov, M. A., Povodyrev, A. A., Sengers, J. V., *Phys. Rev. E*, 1998, Vol. 58, p. 2188.
774. Stell, G., *J. Stat. Phys.*, 1995, Vol. 78, p. 197.
775. Levelt-Sengers, J. M. H., Given, J. A., *Mol. Phys.*, 1993, Vol. 80, p. 899.
776. Singh, R. R., Pitzer, K. S., *J. Am. Chem. Soc.*, 1988, Vol. 110, p. 8723.
777. Zhang, K. C., Briggs, M. E., Gammon, R. W., Levelt-Sengers, J. M. H., *J. Chem. Phys.*, 1992, Vol. 97, p. 8692.
778. Japas, M. L., Levelt-Sengers, J. M. H., *J. Chem. Phys.*, 1990, Vol. 94, p. 5361.
779. Povodyrev, A. A., Anisimov, M. A., Sengers, J. V., Marshall, W. L., Levelt-Sengers, J. M. H., Tech. Report Prepared for the IAPWS, IPST, University of Maryland, 1998.
780. Shibue, Y., *J. Chem. Eng. Data*, 2000, Vol. 45, p. 523.
781. Levelt-Sengers, J. M. H., *Supercritical Fluids Fundamental for Application*, Kiran, E., Levelt-Sengers, J. M. H., Eds., NATO ASI Series Kluwer Academic Publishers, 1993, Vol. 273, p. 3.
782. Amit, D. J., *J. Phys. C*, 1974, Vol. 7, p. 3369.
783. Kitajima, H., Kagawa, N., Tsuruno, S., Endo, H., *Trans. Jpn. Soc. Mech. Eng., Ser. B*, 2003, Vol. 69, p. 1921.
784. Delany, J. R., Mogk, D. W., Mottl, M. J., *J. Geophys. Res.*, 1987, Vol. 92, p. 9175.
785. Modell, M., *Chem. Phys. Processes Combust.*, 1989, pp. E1–E7.
786. Bochkov, M. M., Ph.D. Thesis, IVTAN SSSR, Moscow, 1985.
787. Valyashko, V. M., Abdulagatov, I. M., Levelt-Sengers, J. M. H., *J. Chem. Eng. Data*, 2000, Vol. 45, p. 1139.
788. Armellini, F. J., Tester, J. W., *J. Supercritical Fluids*, 1994, Vol. 7, p. 147.
789. Hodes, M. S., Marrone, Ph. A., Hong, G. T., Smith, K. A., Tester, J. W., *Supercritical Fluids*, 2004, Vol. 29, p. 265.
790. Etard, M. A., *Comptes Rendus*, 1891, Vol. 113, p. 854.
791. Smits, A., Wuite, J. P., *Proc. Kon. Acad. Wetensch. Amsterdam*, 1909, Vol. 12, p. 244.
792. Sharygin, A. V., Mokbel, I., Xiao, C., Wood, R. H., *J. Phys. Chem. B*, 2001, Vol. 105, p. 229.

793. Buechner, E. H., *Z. Phys. Chem.*, 1906, Vol. 56, p. 257.
794. Buechner, E. H., *Die Heterogenen Gleichgewichte vom Standpunkte der Phasenlehre von H. W. Bakhuis Roozeboom*, 2ter Teil, *Systeme mit Zwei Flussigen Phasen*; 2tes Heft, *Systeme aus Zwei Komponenten*, Braunschweig, 1918.
795. Smits, A., *Proc. Kon. Akad. Wetensch. Amsterdam*, 1903, Vol. 7, p. 171.
796. Smits, A., *Proc. Kon. Akad. Wetensch. Amsterdam*, 1904, Vol. 8, p. 484.
797. Smits, A., *Z. Phys. Chem.*, 1911, Vol. 76, p. 445.
798. Van Konynenburg, P. H., Scott, R. L., *Phil. Trans. Roy. Soc. London*, 1980, Vol. 298, p. 495.
799. Valyashko, V. M., *Pure Appl. Chem.*, 1997, Vol. 69, p. 2271.
800. Peters, C. J., *Supercritical Fluids, Fundamentals for Application*, Kiran, E., Levelt-Sengers, J. M. H., Eds., NATO ASI Series, Kluwer Academic Publishers, 1994, Vol. 273, pp. 117–145.
801. Zdanovsky, A. B., Solov'eva, E. F., Ezrokhi, L. L., Lyakhovskaya, E. I., *Data Book on Experimental Data on Solubility in Water–Salt Systems*, III, Vyazovov, V. V., Pel'sh, A. D., Eds., Gos. Izd. Khim. Literat., Leningrad, 1962.
802. Taylor, B. N., Kuyatt, C. E., Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Results, NIST Tech. Note No. 1297, 1994.
803. Abdulgatov, I. M., Magee, J. W., Kiselev, S. B., Friend, D. J., *Proc. 13th Int. Conference on the Properties of Water and Steam*, Tremaine, P. R., Hill, Ph. G., Irish, D. E., Balakrishnan, P. V., Eds., NRC Research Press, Ottawa, 2000, pp. 374–381.
804. Schroeder, W. C., Gabriel, A., *J. Am. Chem. Soc.*, 1935, Vol. 57, p. 1539.
805. Schroeder, W. C., Berk, A. A., Gabriel, A., *J. Am. Chem. Soc.*, 1937, Vol. 59, p. 1783.
806. Benrath, A., Gjedebo, F., Schiffers, B., Wunderlich, H. Z., *Anorg. Allgem. Chem.*, 1937, Vol. 231, p. 285.
807. Benrath, A. Z., *Anorg. Allgem. Chem.*, 1941, Vol. 247, p. 147.
808. Keveel, N. B., *J. Am. Chem. Soc.*, 1942, Vol. 64, p. 841.
809. Booth, H. S., Biswell, R. M., *J. Am. Chem. Soc.*, 1950, Vol. 72, p. 2567.
810. Ravich, M. I., Borovaya, F. E., Ketkovich, V. Ya., *Izv. Sektora Fiz.-Khim. Analiza*, 1953, Vol. 22, p. 240.
811. Marshall, W. L., Wright, H. W., Secoy, C. H., *J. Chem. Educ.*, 1954, Vol. 31, p. 34.
812. Abdulgatov, I. M., Ph.D. Thesis, Moscow Power Institute, Moscow, 1991.
813. Deiters, U. K., De Reuck, K. M., *Chem. Eng. J.*, 1998, Vol. 69, p. 69.
814. Gosman, A. L., McCarty, R. D., Hust, J. G., *Nat. Stand. Ref. Data Ser.*, NBS, 1996, Vol. 27, p. 112.
815. Vasserman, A. A., Rabinovich, V. A., *J. Eng. Phys.*, 1967, Vol. 13, p. 106.
816. Streett, W. B., Ringermacher, H. I., Burch, J. L., *J. Chem. Phys.*, 1972, Vol. 57, p. 3829.
817. Amirkhanov, Kh. I., Polikhronidi, N. G., Batyrova, R. G., *Teploenergetika*, 1971, Vol. 17, p. 70.
818. Amirkhanov, Kh. I., Polikhronidi, N. G., Alibekov, B. G., Batyrova, R. G., *Teploenergetika*, 1971, Vol. 18, p. 59.
819. Magee, J. W., *Int. J. Thermophys.*, 1996, Vol. 17, p. 803.
820. Kestin, J., Sengers, J. V., *J. Phys. Chem. Ref. Data*, 1986, Vol. 15, p. 305.
821. Abdulgatov, I. M., Dvoryanchikov, V. I., *Russ. Geokhimiya*, 1994, Vol. 1, p. 101.
822. Heiks, J. R., Barnett, M. K., Jones, L. V., Orban, E., *J. Phys. Chem.*, 1954, Vol. 58, p. 488.
823. Dreyer, R., Martin, W., Von Weber, U., *J. Pract. Chem.*, 1955, Vol. 1, p. 324.
824. Schouteden, F., Deveux, C. J., *Natuurwet, Tijdsch.*, 1936, Vol. 18, p. 242.
825. Bousley, L., Bottomley, G. A., *J. Chem. Thermodyn.*, 1974, Vol. 6, p. 577.
826. Tsonopoulos, C., *AIChE J.*, 1987, Vol. 33, p. 2080.
827. Teja, A. S., Lee, R. J., Rosenthal, D., Anselme, M., *Fluid Phase Equilibria*, 1990, Vol. 56, p. 153.



828. Knight, C. L., Bodnar, R. J., *Geochim. Cosmochim. Acta*, 1989, Vol. 53, p. 3.
829. Levelt-Sengers, J. M. H., Everhart, C. M., Morrison, G., Pitzer, K. S., *Chem. Eng. Commun.*, 1986, Vol. 47, p. 315.
830. Ihmels, E. Ch., Gmehling, J., *Ind. Eng. Chem. Res.*, 2001, Vol. 40, p. 4470.
831. Potter, R. W., Clyne, M. A., U.S. Geol. Surv., Open-File Report, No. 76-365, 1976.
832. Copeland, C. S., Silverman, J., Benson, S. W., *J. Phys. Chem.*, 1953, Vol. 20, p. 12.
833. Eckert, C. A., Ziger, D. H., Johnston, K. P., Ellison, T. K., *Fluid Phase Equilibria*, 1983, Vol. 14, p. 167.
834. Roze, A. M., *Russ. J. Phys. Chem.*, 1976, Vol. 50, p. 837.
835. Debenedetti, P. G., *J. Chem. Phys.*, 1987, Vol. 86, p. 7126.
836. Horvath, A. L., *Handbook of Aqueous Electrolyte Solutions: Physical Properties, Estimation Methods and Correlation Methods*, Ellis Horwood, West Sussex, England, 1985.
837. *IAPWS. Release on Thermal Conductivity of Water Substance*, International Association for the Properties of Water and Steam, 1997. Available from the IAPWS Executive Secretary, Dr. Dolley, R. B., Electric Power Research Institute, 3412 Hillview Av., Palo Alto, CA 94304, USA.
838. Bridgman, P. W., *Proc. Am. Acad. Arts Sci.*, 1923, Vol. 59, p. 141.
839. Lawson, A. W., Loweel, R., Jain, A. L., *J. Chem. Phys.*, 1959, Vol. 30, p. 643.
840. Venart, J. E. S., *Proc. 3rd Symp. on Thermophysical Properties*, Gratch, S., Ed., ASME, New York, 1965, pp. 237–245.
841. Yata, J., Minamiyama, I., Tashiro, M., Muragishi, H., *Bull. JSME*, 1979, Vol. 22, p. 171.
842. Venart, J. E. S., Prasad, R. C., *J. Chem. Eng. Data*, 1980, Vol. 25, p. 196.
843. Tarzimanov, A. A., Lozovoi, V. S., *Proc. 7th Int. Conference on the Properties of Steam*, Tokyo, Japan, ASME, New York, 1968, p. C-8.
844. Le Neindre, B., Bury, P., Tufeu, R., Tohannin, P., Vodar B., *Proc. 7th Int. Conference on the Properties of Steam*, Tokyo, Japan, ASME, New York, 1968, p. C-1.
845. Cherneyeva, L. I., *Thermophysical Properties of Gases*, Nauka, Moscow, 1970.
846. Rastorguev, Y. L., Pugach, V. V., *Teploenergetika*, 1970, Vol. 4, p. 77.
847. Takizawa, S., Nagashima, A., Tanishita, I., *Proc. 8th Int. Conference on the Properties of Water and Steam*, Bury, P., Perdon, H., Vodar, B., Eds., Editions Europe, Thermal Industry, Paris, France, 1975, Vol. 1, pp. 245–264.
848. Rastorguev, Y. L., Grigor'ev, B. A., Ishkhanov, A. M., *Proc. 8th Int. Conference on the Properties of Water and Steam*, Giens, France, 1974, Vol. 1, p. 255.
849. Castelli, V., Stanley, E. M., *J. Chem. Eng. Data*, 1974, Vol. 19, p. 8.
850. Amirkhanov, Kh. I., Adamov, A. P., Magomedov, U. B., *Russ. J. High Temp.*, 1974, Vol. 13, p. 75.
851. Minamiyama, T. and Yata, I., *Proc. 8th Int. Conference on the Properties of Water and Steam*, Giens, France, 1974, Vol. 1, p. 243.
852. Le Neindre, B., Bury, P., Tufeu, R., Vodar, B., *J. Chem. Eng. Data*, 1976, Vol. 21, p. 265.
853. Vargaftik, N. B., Fillipov, L. P., Tarzimanov, A. A., Tozkii, E. E., *Thermal Conductivity of Liquids and Gases*, GSSSD, Moscow, 1978.
854. Dietz, F. J., de Groot, J. J., Franck, E. F., *Ber. Bunsenges. Phys. Chem.*, 1981, Vol. 85, p. 1005.
855. Nagasaka, Y., Okada, H., Suzuki, J., Nagashima, A., *Ber. Bunsenges. Phys. Chem.*, 1983, Vol. 87, p. 859.
856. DiGuilio, R. M., Lee, R. J., Jeter, S. M., Teja, A. S., *ASHRAE Trans.*, 1990, Vol. 96, p. 702.
857. Venart, J. E. S., Prasad, R. C., Stocker, D. G., *Proc. 9th Int. Conference on Properties of Steam*, Straub, J., Scheffler, K., Eds., Pergamon, Oxford, 1980, pp. 392–406.
858. Wakeham, W. A., *Proc. 10th Int. Conference on the Properties of Water and Steam*, Sychev, V. V., Alexandrov, A. A., Eds., Mir, Moscow, 1984, Vol. 2, p. 219.

859. Grigor'ev, E. B., Ph.D. Thesis, Dagestan Sci. Center, Russ. Acad. Sci., Makhachkala, 1995.
860. Tufeu, R., Le Neindre, B., Johannin, P., *C. R. Hebd. Seances Acad. Sci.*, Ser. B, 1966, Vol. 262, p. 229.
861. Sirota, A. M., Latunin, V. I., Belyaeva, G. M., Report to the Special Committee of IAPS, 1975.
862. Sirota, A. M., Latunin, V. I., Nikolaeva, N. E., *Teploenergetika*, 1981, Vol. 28, p. 72.
863. Zalaf, M., Ph.D. Thesis, Imperial College of Science, Technology and Medicine, University of London, 1988.
864. Tufeu, R., Denielou, L., Le Neindre, B., *Proc. 10th Int. Conference on Properties of Steam*, Sychev, V. V., Alexandrov, A. A., Eds., Mir, Moscow, 1986, Vol. 1, p. 466.
865. Tufeu, R., Le Neindre, B., *Int. J. Thermophys.*, 1987, Vol. 8, p. 283.
866. Ramires, M. L. V., Fareleira, J. M. N. A., Nieto de Castro, C. A., Dix M., Wakeham W. A., *Int. J. Thermophys.*, 1993, Vol. 14, p. 1119.
867. Guseinov, G. G., *Thermophysical Properties of Pure Substances and Aqueous Electrolyte Solutions*, Dagestan Sci. Center, Russ. Acad. Sci., Makhachkala, 1978, p. 51.
868. Assael, M. J., Charitidou, E., Georgiadis, G. P., Wakeham, W. A., *Ber. Bunsenges. Phys. Chem.*, 1988, Vol. 92, p. 627.
869. Dix, M., Wakeham, W. A., Zalaf, M., *Thermal Conductivity 20*, Hasselman, D. P. H., Thomas, J. R., Eds., Plenum Press, New York, 1988, pp. 185–192.
870. Cherneyeva, L. I., *Heat Transfer — Soviet Research*, 1971, Vol. 3, p. 1.
871. Bach, J., Grigull, U., *Wärme- und Stoffübertragung*, 1971, Vol. 3, p. 44.
872. Takizawa, S., Murata, H., Nagashima, A., *Bull. JSME*, 1978, Vol. 21, p. 273.
873. Gazdiev, M. A., Rastorguev, Yu. L., *Russ. J. Phys. Chem.*, 1971, Vol. 45, p. 692.
874. Stupak, P. M., Aizen, A. M., Yampol'skii, N. G., *Russ. Phys. Eng. J.*, 1970, Vol. 19, p. 74.
875. Papadopoulos, C., *Chemistry and Industry* London, August, 1971, p. 932, 932.
876. Filippov, L. P., Nefedov, S. N., *Industry Lab.* (English translation), 1980, Vol. 45, p. 1383.
877. Potienko, N. F., Tsymarnyi, V. A., *Izmerit. Tekh.*, 1972, Vol. 3, p. 40.
878. Shurygin, P. M., Buzovkin, V. P., Leonov, V. V., *Industry Lab.* (English translation), 1974, Vol. 40, p. 995.
879. Varchenko, A. A., *Proc. 15th Thermal Conductivity Conference*, Mirkovich, V. V., Ed., Plenum, New York, 1978, pp. 255–260.
880. Gross, U., Song, Y. W., Hahne, E., *Fluid Phase Equilibria*, 1992, Vol. 76, p. 273.
881. Venkateshan, S. P., *Proceedings Thermophysics and Heat Transfer Conference*, ASME, Seattle, 1990, Vol. 129, pp. 127–132.
882. Wakeham, W. A., Nagashima, A., Sengers, J. V., Eds., *Experimental Thermodynamics. Vol. III. Measurements of the Transport Properties of Fluids*, Blackwell Scientific, London, 1991.
883. Assael, M. J., Bekou, E., Giakoumakis, D., Friend, D. G., Killeen, M. A., Nagashima, A., *J. Phys. Chem. Ref. Data*, 2000, Vol. 29, p. 141.
884. Alas, A. C., Ph.D. Thesis, Zurich, 1967.
885. Tufeu, R., Bury, P., Le Neindre, B., *J. Chem. Eng. Data*, 1986, Vol. 31, p. 246.
886. Bonilla, C. F., Wang, G. J., *Progr. Rep.*, Dec. 1950–Feb. 1951, DP-12, Atomic Energy Div., Colombia Univ. and E.I. Du Pont de Nemours & Co., 1951.
887. Meyer, F., Eigen, M., *Z. Naturforsch.*, 1953, Vol. 8A, p. 500.
888. Challoner, A. R., Powell, R. W., *Proc. Roy. Soc. London*, 1956, Vol. 238A, p. 90.
889. Vargaftik, N. B., Oleshuk, O. N., Belyakova, P. E., *Russ. Atomic Energy*, 1959, Vol. 7, p. 465.
890. Ziebland, H., J. Burton, T. A., *Int. J. Heat Mass Transfer*, 1960, Vol. 1, p. 242.

891. Le Neindre, B., Johannin, P., Vodar, B., *C. R. Acad. Sci. Paris*, 1965, Vol. 260, p. 67.
892. Rastorguev, Ya. L., Grigor'ev, B. A., Ishkhanov, A. M., *Teploenergetika*, 1975, Vol. 7, p. 81.
893. Bibik, A. P., Litvinenko, I. V., Radchenko, I. V., *Inzh.-Fiz. Zh.*, 1975, Vol. 28, p. 141.
894. Amirhanov, Kh. I., Adamov, A. P., Magomedov, U. B., *Experimental Study of the Thermal Conductivity of Light and Heavy Water*, Dagestan Branch, USSR Acad. Sci., Makhachkala, 1974.
895. Yata, J., Minamiyama, T., Kim, T., Yokogawa, N., Murai, H., *Proc. 9th Int. Conference on Properties of Steam*, Straub, J., Scheffler, K., Eds., Pergamon, Oxford, 1980, pp. 431–438.
896. Nagasaka, Y., Hiraiwa, H., Nagashima, A., *Proc. 11th Int. Conference on the Properties of Water and Steam*, Pichal, M., Sifner, O., Eds., Hemisphere, New York, 1989, pp. 125–131.
897. Klassen, T. V., *Heat Transfer and Thermal Simulation*, Mikheev, M. A., Ed., Energiya, Moscow, 1959.
898. Rastorguev, Yu. L., Grigor'ev, B. A., Ishkhanov, A. M., *Proc. 9th Int. Conference on Properties of Steam*, Straub, J., Scheffler, K., Eds., Pergamon, Oxford, 1980, pp. 407–416.
899. Matsunaga, N., Nagashima, A., *J. Phys. Chem. Ref. Data*, 1983, Vol. 12, p. 933.
900. Tarzimanov, A. A., *Proc. 9th Int. Conference on Properties of Steam*, Straub, J., Scheffler, K., Eds., Pergamon, Oxford, 1980, pp. 439–444.
901. Nagasaka, Y., Suziki, J., Nagashima, A., *Proc. 10th Int. Conference on the Properties of Water and Steam*, Sychev, V. V., Alexandrov, A. A., Eds., Mir, Moscow, 1984, Vol. 2, p. 203.
902. Eldarov, F. G., *Russ. J. Phys. Chem.*, 1980, Vol. 54, p. 348.
903. Magomedov, U. B., Ph.D. Thesis, MEI, Moscow, 1996.
904. Ganiev, Y., Musoyan, M. O., Rastorguev, Ya. L., Grigor'ev, B. A., *Proc. 11th Int. Conference on the Properties of Water and Steam*, Pichal, M., Sifner, O., Eds., Hemisphere, New York, 1989, pp. 132–139.
905. Safronov, G. A., Kosolap, Ya. G., Rastorguev, Ya. L., *Experimental Studing of the Thermal Conductivity of Binary Solutions of Electrolytes*, Dep. VINITI, 1990, No. 4262-B90, p. 28.
906. Kawamata, K., Nagasaka, Y., Nagashima, A., *Int. J. Thermophys.*, 1988, Vol. 9, p. 317.
907. Ozbek, H., Phillips, S. L., *J. Chem. Eng. Data*, 1980, Vol. 25, p. 263.
908. Riedel, L., *Chem.-Ing. Tech.*, 1951, Vol. 3, p. 57.
909. Kapustinskii, A. F., Ruzavin, I.I., *Russ. J. Phys. Chem.*, 1955, Vol. 29, p. 2222.
910. Vargaftik, N. B., Osminin, Y. P., *Teploenergetika*, 1956, Vol. 7, p. 11.
911. Chernen'kaya, E. I., Vernigora, G. A., *Russ. J. Appl. Chem.*, 1972, Vol. 45, p. 1779.
912. Ramires, M. L. V., Nieto de Castro, C. A., *J. Chem. Eng. Data*, 1994, Vol. 39, p. 186.
913. Alloush, A., Gosney, W. B., Wakeham, W. A., *Int. J. Thermophys.*, 1982, Vol. 3, p. 225.
914. Rastorguev, Yu. L., Grigor'ev, B. A., Safronov, G. A., Ganiev Yu. A., *Proc. 10th Int. Conference on the Properties of Water and Steam*, Sychev, V. V., Aleksandrov, A. A., Eds., Mir, Moscow, 1984, Vol. 2, p. 210.
915. Davis, P. S., Theeuwes, F., Bearman, R. J., Gordon, R. F., *J. Chem. Phys.*, 1971, Vol. 55, p. 4776.
916. Yusufova, V. D., Pepinov, R. I., Nikolaev, V. A., Guseinov, G. M., *Inzh.-Fiz. Zh.*, 1975, Vol. 29, p. 600.
917. Zaizev, I. D., Aseev, G. G., *Physical and Chemical Properties of Binary and Multicomponent Nonorganic Solutions*, Khimiya, Moscow, 1988.
918. Pepinov, R. I., Ph.D. Thesis, AZNEFTEKhIM, Baku, Azerbaijan, 1995.
919. DiGuilio, R. M., Teja, A. S., *Ind. Eng. Chem. Res.*, 1992, Vol. 31, p. 1081.

920. Bleazard, J. G., DiGuilio, R. M., Teja, A. S., *AIChE Symp. Ser.*, 1994, Vol. 298, p. 23.
921. Assael, M. J., Charitidou, E., Stassis, J. Ch., Wakeham, W. A., *Ber. Bunsenges. Phys. Chem.*, 1989, Vol. 93, p. 887.
922. Yusufova, V. D., Pepinov, R. I., Nikolaev, V. A., Guseinov, G. M., *Russ. J. Phys. Chem.*, 1975, Vol. 49, p. 2677.
923. Pepinov, R. I., Guseinov, G. M., *Russ. J. Phys. Chem.*, 1993, Vol. 67, p. 1101.
924. Pepinov, R. I., Guseinov, G. M., *Russ. J. High Temp.*, 1991, Vol. 29, p. 605.
925. White, W. R., Brunson, R. J., Bearman, R. J., Lindenbaum, S., *J. Solution Chem.*, 1975, Vol. 4, p. 557.
926. Eldarov, V. S., *Russ. J. Phys. Chem.*, 1986, Vol. 60, p. 603.
927. Yusufova, V. D., Pepinov, R. I., Nikolaev, V. A., Zokhrabekova, G. U., Lobcova, N. V., Tuayev, T. D., *Desalination*, 1978, Vol. 25, p. 260.
928. Safronov, G. A., Kosolap, Yu. G., Rastorguev, Yu. L., *Experimental Study of the Thermal Conductivity of Electrolytes*, Groznyi Oil Institute, Groznyi, 1990, p. 28.
929. Dietz, F. J., De Groot, J. J., Franck, E. U., *Proc. 9th Int. Conference on Properties of Steam*, Straub, J., Scheffler, K., Eds., Pergamon, Oxford, 1980, pp. 425–438.
930. Ramires, M. L. V., Nieto de Castro, C. A., *Int. J. Thermophys.*, 2000, Vol. 21, p. 671.
931. Loktev, S. M., *High Fat Alcohols*, Khimiya, Moscow, 1970.
932. Abdulagatov, I. M., Akhmedova-Azizova, L. A., Azizov, N. D., *J. Chem. Eng. Data*, 2004, Vol. 49, p. 688.
933. Abdulagatov, I. M., Magomedov, U. B., *High Temperatures — High Pressures*, 2004 Vol. 35/36, p. 149.
934. Abdulagatov, I. M., Akhmedova-Azizova, L.A., Azizov, N. D., *J. Chem. Eng. Data*, 2004, Vol. 49, p. 1727.
935. Amirkhanov, Kh. I., Adamov, A. P., *Teploenergetika*, 1963, Vol. 10, p. 75.
936. Abdulagatov, I. M., Magomedov, U. B., *Int. J. Thermophys.*, 1994, Vol. 15, p. 401.
937. Abdulagatov, I. M., Magomedov, U. B., *J. Chem. Eng. Data.*, 1997, Vol. 42, p. 1165.
938. Abdulagatov, I. M., Magomedov, U. B., *Ber. Bunsenges. Phys. Chem.*, 1997, Vol. 101, p. 708.
939. Abdulagatov, I. M., Magomedov, U. B., *Proc. 12th Int. Conference on the Properties of Water and Steam*, White, H. J., Sengers, J. V., Neumann, D. B., Bellows, J. C., Eds., Begell House, New York, 1995, pp. 549–557.
940. Abdulagatov, I. M., Magomedov, U. B., *Proc. 4th Asian Thermophysical Properties Conference*, A. Nagashima, Ed., Keio University, Tokyo, Japan, 1995, pp. 499–502.
941. Abdulagatov, I. M., Magomedov, U. B., *Proc. 5th Asian Thermophysical Properties Conference*, Kim, M. S., Ro, S. T., Eds., Seoul National University, Seoul, Korea, 1998, pp. 25–28.
942. Abdulagatov, I. M., Magomedov, U. B., *Ind. Eng. Chem. Res.*, 1998, Vol. 37, p. 4883.
943. Abdulagatov, I. M., Magomedov, U. B., *Int. J. Thermophys.*, 1999, Vol. 20, p. 187.
944. Abdulagatov, I. M., Magomedov, U. B., *J. Chem. Eng. Japan*, 1999, Vol. 32, p. 465.
945. Abdulagatov, I. M., Magomedov, U. B., *High Temperatures — High Pressures*, 2000, Vol. 32, p. 599.
946. Abdulagatov, I. M., Magomedov, U. B., *Fluid Phase Equilibria*, 2000, Vol. 171, p. 243.
947. Abdulagatov, I. M., Magomedov, U. B., *J. Solution Chem.*, 2001, Vol. 30, p. 1.
948. Healy, J., de Groot, J. J., Kestin, J., *Physica*, 1976, Vol. 82C, p. 392.
949. Menashe, J., Wakeham, W. A., *Int. J. Heat Mass Transfer*, 1982, Vol. 25, p. 661.
950. Nieto de Castro, C. A., Li, S. F., Maitland, G. C., Wakehame, W. A., *Int. J. Thermophys.*, 1984, Vol. 4, p. 311.
951. Fritz, W., *Int. J. Heat Mass Transfer*, 1962, Vol. 3, p. 307.
952. Poltz, H., *Int. J. Heat Mass Transfer*, 1965, Vol. 8, p. 609.
953. Poltz, H., *Int. J. Heat Mass Transfer*, 1965, Vol. 8, p. 515.

954. Fisher, S., *Wärme- und Stoffübertragung*, 1986, Vol. 20, p. 183.
955. Poltz, H., Jugel, R., *Int. J. Heat Mass Transfer*, 1967, Vol. 10, p. 1075.
956. Shingarev, R. V., *Convective Heat Transfer in Narrow Cylindrical Gaps*, Tekstil'nyi Institut, Ivanovo, 1955.
957. Bleazard, J. G., Teja, A. S., *J. Chem. Eng. Data*, 1995, Vol. 40, p. 732.
958. Chiquillo, A., *Measurements of the Relative Thermal Conductivity of Aqueous Salt Solutions with a Transient Hot-Wire Method*, Juris Druck + Verlag Zurich, 1967.
959. McLaughlin, E., *Chem. Rev.*, 1964, Vol. 64, p. 389.
960. Krönert, P., Schuberthy, H., *Chem. Tech. (Leipzig)*, 1977, Vol. 29, p. 552.
961. Venart, J. E. S., Mani, N., *J. Mech. Eng. Sci.*, 1971, Vol. 13, p. 205.
962. Predvoditelev, A. S., *Russ. J. Phys. Chem.*, 1948, Vol. 22, p. 339.
963. Assael, M. J., Charitidou, E., Nieto de Castro, C. A., *Int. J. Thermophys.*, 1988, Vol. 9, p. 813.
964. Assael, M. J., Charitidou, E., Nieto de Castro, C. A., *Int. J. Thermophys.*, 1989, Vol. 10, p. 813.
965. Li, S. F. Y., Maitland, G. C., Wakeham, W. A., *High Temperatures — High Pressures*, 1985, Vol. 17, p. 247.
966. Losenicky, Z., *J. Phys. Chem.*, 1969, Vol. 73, p. 451.
967. Ramires, M. L. V., Nieto de Castro, C. A., Nagasaka, Y., Nagashima, A., Assael, M. J., Wakeham, W. A., *J. Phys. Chem. Ref. Data*, 1995, Vol. 24, p. 1377.
968. Assael, M. J., Tsalmanis, V. K., Dalaouth, N. K., Giakoumakis, D., Nagashima, A., *Proc. 13th Int. Conference on the Properties of Water and Steam*, Tremaine, P. R., Hill, Ph. G., Irish, D. E., Balakrishnan, P. V., Eds., NRC Research Press, Ottawa, 2000, pp. 72–79.
969. Chimowitz, E. H., Afrane, G., *Fluid Phase Equilibria*, 1996, Vol. 120, p. 167.
970. Wheeler, J. C., *Ber. Bunsenges. Phys. Chem.*, 1972, Vol. 76, p. 308.
971. Khazanova, N. E., Sominskaya, E. E., *Russ. J. Phys. Chem.*, 1971, Vol. 45, p. 1485.
972. van Wasen, U., Swaid, I., Schneider, G. M., *Angew. Chem. Int. Ed. Eng.*, 1980, Vol. 19, p. 575.
973. Harvey, A. H., *J. Phys. Chem.*, 1990, Vol. 94, p. 8403.
974. Furuya, T., Teja, A. S., *Ind. Eng. Chem. Res.*, 2000, Vol. 39, p. 4828.
975. Levelt-Sengers, J. M. H., *Supercritical Fluids*, Kiran, E., Levelt-Sengers, J. M. H., Eds., Kluwer, Dordrecht, 1994, pp. 13–37.
976. Chialvo, A. A., Cummings, P. T., *AIChE J.*, 1998, Vol. 44, p. 667.
977. Gude, M. T., Teja, A. S., *Fluid Phase Equilibria*, 1993, Vol. 83, p. 139.
978. Gude, M. T., Teja, A. S., *Mol. Phys.*, 1994, Vol. 81, p. 599.
979. Kosinski, J. J., Anderko, A., *Fluid Phase Equilibria*, 2001, Vols. 183–184, p. 75.
980. Chang, T. L., Chien, J. Y., *J. Am. Chem. Soc.*, 1941, Vol. 63, p. 1709.
981. Chang, T. L., Tung, L. H., *Nature (London)*, 1949, Vol. 16, p. 737.
982. Schrader, R., Wirtz, K., *Naturforsch.*, 1951, Vol. 6a, p. 220.
983. Hardy, R. C., Cottington, R. L., *J. Res. Nat. Bur. Stand. (U.S.)*, 1949, Vol. 42, p. 573.
984. Scheffer, F. E. C., *Proc. Kon. Akad. Wetensch. Amsterdam*, 1914, Vol. 17, p. 835.
985. Harvey, A. H., Lemmon, E. W., *J. Phys. Chem. Ref. Data*, 2002, Vol. 31, p. 173.
986. Young, S., *Sci. Proc. Roy. Dublin Soc.*, 1912, Vol. 13, p. 310.
987. Ambrose, D., Townsend R., *Correlation and Estimation of Vapor-Liquid Critical Properties*, Rep. Chem. 92, National Physical Laboratory, Teddington, England, 1978.
988. Young, S. Z., *Phys. Chem. (Leipzig)*, 1910, Vol. 70, p. 620.
989. Kay, W. B., Donham, W. E., *Chem. Eng. Sci.*, 1955, Vol. 4, p. 1.
990. Skaates, J. M., Kay, W. B., *Chem. Eng. Sci.*, 1964, Vol. 19, p. 431.
991. Kontogeorgis, G. M., Tassios, D. P., *Chem. Eng.*, 1997, Vol. 66, p. 35.
992. Reid, R. C., Prausnitz, J. M., Poling, B. E., *The Properties of Gases and Liquids*, 4th ed., McGraw-Hill, New York, 1987.

993. Somayajulu, G. R., *J. Chem. Eng. Data*, 1989, Vol. 34, p. 106.
994. Ambrose, D., Young, C. L., *J. Chem. Eng. Data*, 1995, Vol. 40, p. 345.
995. Twu, C. H., *Fluid Phase Equilibria*, 1984, Vol. 16, p. 137.
996. Twu, C. H., *Fluid Phase Equilibria*, 1983, Vol. 11, p. 65.
997. Abdulkadirova, Kh. S., Wyczalkowska, A., Anisimov, M. A., Sengers, J. V., *J. Chem. Phys.*, 2002, Vol. 116, p. 4597.
998. Marshall, W. L., *J. Chem. Soc. Faraday Trans.*, 1990, Vol. 86, No. 10, p. 1807.
999. Fisher, M. E., Zinn, S.-Y., Upton, P. J., *Phys. Rev.*, 1999, Vol. B59, p. 14533.
1000. Guida, R., Zinn-Justin, J., *J. Phys. A, Math. Gen.*, 1998, Vol. 31, p. 8103.
1001. Pitzer, K. S., Pabalan, R. T., *Geochim. Cosmochim. Acta*, 1986, Vol. 50, p. 1445.
1002. Povodyrev, A. A., Anisimov, M. A., Sengers, J. V., Marshall, W. L., Levelt-Sengers, J. M. H., *Int. J. Thermophys.*, 1999, Vol. 20, p. 1529.
1003. Gallagher, J. S., Levelt-Sengers, J. M. H., *Int. J. Thermophys.*, 1988, Vol. 9, p. 649.
1004. Leung S. S., Griffiths, R. B., *Phys. Rev.*, 1973, Vol. A8, p. 2670.
1005. Landau, L. D., Lifshitz, E. M., *Statistical Physics*, 3rd ed., Pergamon, New York, 1980.
1006. Tillner-Roth, R., Friend, D., *J. Phys. Chem. Ref. Data*, 1998, Vol. 27, p. 63.
1007. Barton, C. J., Hebert, G. M., Marshall, W. L., *J. Inorg. Nucl. Chem.*, 1961, Vol. 21, p. 141.
1008. Marshall, W. L., Jones, E. V., Hebert, G. M., Smith, F. J., *J. Inorg. Nucl. Chem.*, 1962, Vol. 24, p. 995.
1009. Jones, E. V., Marshall, W. L., *J. Inorg. Nucl. Chem.*, 1964, Vol. 26, p. 281.
1010. Marshall, W. L., Gill, J. S., Slusher, R., *J. Inorg. Nucl. Chem.*, 1962, Vol. 24, p. 889.
1011. Marshall, W. L., Slusher, R., Smith, F. J., *J. Inorg. Nucl. Chem.*, 1963, Vol. 25, p. 559.
1012. Piao, Ch., Noguchi, M., *J. Phys. Chem. Ref. Data*, 1998, Vol. 27, p. 775.
1013. Anisimov, M. A., Povodyrev, A. A., Roseli, J. P., Sengers, J. V., Kiselev, S. B., Friend D. G., *Proc. 13th Int. Conference on Properties of Water and Steam*, Tremaine, P. R., Hill, P. G., Irish, D. E., Balakrishnan, P. V., Eds., NRC Research Press, Ottawa, 2000, p. 339.
1014. Fisher, M. E., *Rep. Prog. Phys.*, 1967, Vol. 30, p. 615.
1015. Levelt-Sengers, J. M. H., Kamgar-Parsi, B., Balfour, F. W., Sengers, J. V., *J. Phys. Chem. Ref. Data*, 1983, Vol. 12, p. 1.
1016. Kiselev, S. B., Kostukova, I. G., *J. Chem. Phys.*, 1993, Vol. 98, p. 6455.
1017. Zieborak, K., *Z. Phys. Chem.*, 1966, Vol. 231, p. 248.
1018. Jansc6, G., J6kly, Gy., *Aust. J. Chem.*, 1980, Vol. 33, p. 2357.
1019. J6kly, Gy., Van Hook, W. A., *J. Chem. Eng. Data*, 1981, Vol. 26, p. 243.
1020. J6kly, Gy., Mark6, L., *ACH — Models in Chemistry*, 1980, Vol. 133, p. 225.
1021. Mursalov, B. A., Ph.D. Thesis, AZNEFTEKhim, Baku, Azerbaijan, 1975.
1022. Sengers, J. V., Kamgar-Parsi, B., *J. Phys. Chem. Ref. Data*, 1984, Vol. 13, p. 185.
1023. Anisimov, M. A., Sengers, J. V., *Equations of State for Fluids and Fluids Mixtures*, Sengers, J. V., Kayser, R. F., Peters, C. J., White, Jr., H. J., Eds., Elsevier, Amsterdam, 2000, p. 381.
1024. Polikhronidi, N. G., Abdulagatov, I. M., Magee, J. W., Stepanov, G. V., *Int. J. Thermophys.* (to be published).
1025. Douglas, T., Furukawa, R., Coskey, A., Ball, J., *J. Res. Nat. Bur. Stand. (U.S.)*, 1954, Vol. 53, p. 3.
1026. Messerly, J. F., Guirie, S. S., Todd, H. L., Finke, J., *J. Chem. Eng. Data*, 1967, Vol. 12, p. 3.
1027. Grigor'ev, B. A., Rastorguev, Ya. L., Yanin, G. S., *Isv. Vyssh. Uchebn. Zaved., Neft' Gaz*, 1975, Vol. 10, p. 63.
1028. Chen, J.-H., Fisher, M. E., Nickel, B. J., *Phys. Rev. Lett.*, 1982, Vol. 48, p. 630.
1029. Polikhronidi, N. G., Abdulagatov, I. M., Magee, J. W., Stepanov, G. V., Batyrova, R. G., *Int. J. Thermophys.* (to be published).

1030. Kuroki, T., Kagawa, N., Araoka, K., Endo, H., Tsuruno, S., *Proc. 20th Japanese Symp. on Thermophysical Properties*, Tokyo, Japanese Soc. of Thermophysical Properties, Atsugi, Kanagawa, 1999, p. 456.
1031. Polikhronidi, N. G., Abdulagatov, I. M., Batyrova, R. G., *Fluid Phase Equilibria*, 2002, Vol. 201, p. 269.
1032. Abdulagatov, I. M., Magee, J. W. (unpublished results).
1033. Jin, G. X., Tang, S., Sengers, J. V., *Phys. Rev. E*, 1993, Vol. 47, p. 388.
1034. Nikitin, E. D., Popov, A. P., Bogatishcheva, N. S., *J. Chem. Eng. Data*, 2002, Vol. 47, p. 1012.
1035. Nikitin, E. D., Popov, A. P., Bessonova, N. V., *J. Chem. Thermodyn.*, 1994, Vol. 26, p. 177.
1036. Bolotin, N. K., Shelomentsev, A. M., *Liquid State Phys.*, 1991, Vol. 19, p. 75.
1037. Kerimov, A. M., Alieva, M. K., Gasanov, N. S., *Izv. Akad. Nauk. Azerb. SSR, Ser. Fiz.-Tekh. Mat. Nauk*, 1971, Vol. 4, p. 149.
1038. Joback, K. G., Reid, R. C., *Chem. Eng. Commun.*, 1987, Vol. 57, p. 233.
1039. Constantinou, L., Gani R., *AIChE J.*, 1994, Vol. 40, p. 1697.
1040. Tsonopoulos, C., Dymond, J. H., Szafranski, A. M., *Pure Appl. Chem.*, 1989, Vol. 61, p. 1387.
1041. Hossenlopp, I. A., Scott, D. W., *J. Chem. Thermodyn.*, 1981, Vol. 13, p. 415.
1042. McLashan, M. L., Wormald, C. J., *J. Chem. Thermodyn.*, 2000, Vol. 32, p. 1489.
1043. Collins, S. C., Keyes, F., *Proc. Am. Acad. Arts Sci.*, 1938, Vol. 72, p. 283.
1044. Pankevich, G. M., Zotov, V. V., *Sci. Papers of Kursk Pedagogical Institute*, Kursk Pedagogical Institute, Kursk, 1976, Vol. 81, p. 91.
1045. Akhundov, T. S., Eksaev, R. A., Sultanov, *Thermophys. Properties Substances Mater.*, GSSSD, Moscow, 1973, Vol. 7, Ch. I, p. 84.
1046. Abdulagatov, A. I., Kaplun, A. B., Meshalkin, A. B., Abdulagatov, I. M., Stepanov G. V., *J. Chem. Thermodyn.*, 2002, Vol. 34, p. 2049.
1047. Abdulagatov, I. M., Dadashev, M. N., Saidalmedova, M. B., *Russ. Chem. Chem. Product.*, 1998, Vols. 1–2, p. 30.
1048. Kerimov, A. M., Kafarov, T. E., Gamidov, Sh. G., Suleimanov, Ja. M., *Thermophysical Properties of Liquids*, Nauka, Moscow, 1970. p. 176.
1049. Polikhronidi, N. G., Abdulagatov, I. M., Magee, J. W., Stepanov, G. V., *Int. J. Thermophys.* (to be published).
1050. Bazaev, A. R., Abdulagatov, I. M., Magee, J. W., Bazaev, E. A., Ramazonova, A. E., *Int. J. Thermophys.* (to be published).
1051. Stepanov, G. V., Shakhbanov, K. A., Bouy, O. A., *Thermodynamics of Phase Equilibria and Critical Phenomena*, Dagestan Sci, Center, Russ. Acad. Sci., 1991, p. 8.
1052. Stepanov, G. V., Shakhbanov, K. A., Bouy, O. A., *Thermophysical Properties of Individual Substances and Mixtures*, Dagestan Sci, Center, Russ. Acad. Sci., Makhachkala, 1989, p. 58.
1053. Aseev, G. G., *Electrolytes. Properties of Solutions. Methods for Calculation of Multicomponent Systems and Experimental Data on Thermal Conductivity and Surface Tension*, Begell-House, New York, 1998.
1054. Stepanov, G. V., Shakhbanov, K., Abdurakhmanov, I. M., Malysheva, L. V., *Russ. J. Phys. Chem.*, 1992, Vol. 66, p. 2795.
1055. Kim, Y. C., Fisher, M. E., *J. Phys. Chem. B*, 2001, Vol. 105, p. 11785.
1056. Stepanov, G. V., Bouy, O. A., Shakhbanov, K. A., *Russ. J. Phys. Chem.*, 1989, Vol. 63, p. 1524.
1057. de Reuck, K. M., Craven, R. J. B., *Methanol. International Thermodynamic Tables of the Fluid State-12*, Blackwell Scientific, London, 1993.
1058. Goodwin, R. D., *J. Phys. Chem. Ref. Data*, 1987, Vol. 16, p. 799.

1059. Straty, G. C., Palavra, A. M. F., Bruno, T. J., *Int. J. Thermophys.*, 1986, Vol. 7, p. 1077.
1060. Ta'ani, R., Dr.-Ing. Thesis, Karlsruhe, 1976.
1061. Zubarev, V. N., Bagdonas, A. V., *Teploenergetika*, 1967, Vol. 4, p. 79.
1062. Machado, J. R. S., Street, W. B., *J. Chem. Eng. Data*, 1983, Vol. 28, p. 218.
1063. Finkelstein, R. S., Stiel, L. I., *Chem. Eng. Prog. Symp. Ser.*, 1970, Vol. 66, p. 11.
1064. Petty, L. B., Smith, J. M., *Ind. Eng. Chem.*, 1955, Vol. 47, p. 1258.
1065. Ramsay, W., Young, S., *Phil. Trans. Roy. Soc. London*, 1887, Vol. A178, p. 313.
1066. Yan, X., Dong, Q., Hong, X., *J. Chem. Eng. Data*, 2003, Vol. 48, p. 374.
1067. Wilson, G. M., Jaspersen, L. V., *AIChE Meeting*, New Orleans, LA, 1996.
1068. Marrero, L., Gani, R., *Fluid Phase Equilibria*, 2001, Vols. 183–184, p. 183.
1069. Marrero-Morejon, J., Pardillo-Fontdevila, E., *AIChE J.*, 1999, Vol. 45, p. 615.
1070. Poling, B. E., Prausnitz, J. M., O'Connell, J. P., *The Properties of Gases and Liquids*, 5th ed., McGraw-Hill, New York, 2001.
1071. Wilhoit, R. C., Marsh, K. N., *J. Chem., Inf. Comput. Sci.*, 1989, Vol. 29, p. 17.
1072. Frenkel, M., Dong, Q., Wilhoit, R. C., Hall, R., *Int. J. Thermophys.*, 2001, Vol. 22, p. 215.
1073. Lashakov, L. M., *Acta Physicochim.*, 1939, Vol. 11, p. 107.
1074. Kozlov, A. D. (private communication).
1075. Osada, O., Sato, M., Uematsu, M., *J. Chem. Thermodyn.*, 1999, Vol. 31, p. 451.
1076. Ambrose, D., Sprake, C. H. S., Townsend, R., *J. Chem. Thermodyn.*, 1975, Vol. 7, p. 185.
1077. Walter, E. D., Ph.D. Thesis, Ohio State University, 1953.
1078. Maher, P. J., Smith, B. D., *J. Chem. Eng. Data*, 1980, Vol. 25, p. 61.
1079. Alm, K., Ciprian, M., *J. Chem. Eng. Data*, 1984, Vol. 29, p. 100.
1080. Efremov, Yu. V., *Russ. J. Phys. Chem.*, 1966, Vol. 40, p. 1240.
1081. Gibbard, H. F., Creek, J. L., *J. Chem. Eng. Data*, 1974, Vol. 19, p. 308.
1082. Niesen, V., Palavre, A. M. F., Kidney, A. J., Yesavage, V. F., *Fluid Phase Equilibria*, 1986, Vol. 31, p. 283.
1083. Wilsak, R. A., Campbell, S. W., Thodos G., *Fluid Phase Equilibria*, 1986, Vol. 28, p. 13.
1084. Holldorff, H., Knapp, H., *Fluid Phase Equilibria*, 1988, Vol. 40, p. 113.
1085. Hirata, M., Suda, S., *Kagaku Kogaku*, 1967, Vol. 31, p. 339.
1086. Costello, J. M., Bowden, S. T., *J. Rec. Trav. Chim. Pays-Bas*, 1958, Vol. 77, p. 36.
1087. Hales, J. L., Ellender, J. H., *J. Chem. Thermodyn.*, 1976, Vol. 8, p. 1177.
1088. Yerlett, T. K., Wormald, C. J., *J. Chem. Thermodyn.*, 1986, Vol. 18, p. 719.
1089. Brunner, E., Hultenschmidt, W., Schlichtharle, G., *J. Chem. Thermodyn.*, 1987, Vol. 19, p. 273.
1090. Hannay, J. B., *Proc. Roy. Soc. London*, 1982, Vol. 32, p. 294.
1091. Nadejdine, A., *J. Russ. Phys.-Chem. Soc.*, 1882, Vol. 14, p. 157.
1092. de Henn, P., *Recheches Touchant la Physique Comparee et la Theories des Liquides*, Paris, 1888.
1093. Schmidt, G. C., *Z. Phys. Chem.*, 1891, Vol. 8, p. 628.
1094. Schmidt, G. C., *Justus Liebigs Ann. Chem.*, 1891, Vol. 266, p. 266.
1095. Centnerszwer, M., *Z. Phys. Chem.*, 1904, Vol. 49, p. 199.
1096. Crismer, L., *Bull. Soc. Chim. Belg.*, 1904, Vol. 18, p. 18.
1097. Salwedel, E., *Ann. Phys. (Leipzig)*, 1930, Vol. 5, p. 853.
1098. Golik, A. Z., Ravikovich, S. D., Orishchenko, A. V., *Ukr. J. Chem.* 1955, Vol. 21, p. 167.
1099. Nozdrev, V. F., *Acoustic J.*, 1956, Vol. 2, p. 209.
1100. Mocharnyuk, R. F., *Zh. Obshch. Khim.*, 1960, Vol. 30, p. 1098.
1101. Kay, W. B., Khera, R., *Int. Data Ser., Selected Data Mixtures*, 1975, Ser. A, Vol. 62.
1102. Francesconi, A. Z., Lentz, H., Franck, E. U., *J. Phys. Chem.*, 1981, Vol. 85, p. 3303.



1103. Lydersen, A. L., Tsochev, V., *Chem. Eng. Technol.*, 1990, Vol. 13, p. 125.
1104. Gude, M., Teja, A. S., *J. Chem. Eng. Data*, 1995, Vol. 40, p. 1025.
1105. Simonson, J. M., Bradley, D. J., Busey, R. H., *J. Chem. Thermodyn.*, 1987, Vol. 19, p. 479.
1106. Eubank, P. T., *Chem. Eng. Symp. Ser.*, 1970, Vol. 66, p. 16.
1107. Tatevskiy, V. M., *Physical and Chemical Properties of Individual Hydrocarbons*, Gostoptekh Moscow, 1960.
1108. Vikhrov, D. I., Mirskaya, V.A., *Thermophysical Properties of Individual Substances and Mixtures*, Dagestan Sci. Center, Russ. Acad. Sci., Makhachkla, 1989, p. 45.
1109. Abdulagatov, A. I., Stepanov, G. V., Abdulagatov, I. M., *Fluid Phase Equilibria*, 2003, Vol. 209, p. 55.
1110. Ambrose, D., Townsend, R., *J. Chem. Soc. (London)*, 1963, p. 3614.
1111. Straub, J., Nitsche, K., *Fluid Phase Equilibria*, 1980, Vol. 88, p. 183.
1112. Lange, R., Straub, J., Die isochore Wärmekapazität fluider Stoffe im kritischen Gebiet-Voruntersuchungen zu einem Spacelab Experiment, Scientific Report W 84-034 BMFT, 1984.
1113. Straub, J., Lange, R., Nitsche, K., Kemmerle, K., *Int. J. Thermophys.*, 1985, Vol. 7, p. 343.
1114. Nitsche, K., Ph.D. Thesis, Technical University of Munich, Munich, 1990.
1115. Thoen, J., Bloemen, E., Van Dael, W., *J. Chem. Phys.*, 1978, Vol. 68, p. 735.
1116. Suleimanov, Ya. M., Ph. D. Thesis, OTI, Odessa, 1971.
1117. Polikhronidi, N. G., Batyrova, R. G., Abdulagatov, I. M., Magee, J. W., *J. Supercritical Fluids*, 2004 (in press).
1118. Aliev, M. M., Magee, J. W., Abdulagatov, I. M., *Int. J. Thermophys.*, 2003, Vol. 24, p. 1527.
1119. Japas, M. L., Fernandez-Pirini, R., Horita, J., Wesolowski, D. J., *J. Phys. Chem.*, 1995, Vol. 99, p. 5171.
1120. Harvey, A. H., Crovetto, R., Levelt Sengers, J. M. H., *AIChE J.*, 1990, Vol. 36, p. 1901.
1121. Alvarez, J., Corti, H. R., Fernandez-Prini, R., Japas, M. L., *Geochim. Cosmochim. Acta*, 1994, Vol. 58, p. 2789.
1122. Alieva, M. K., Ph.D. Thesis, Institute of Physics, Baku, Azerbaijan, 1968.
1123. Harvey, A. H., Lemmon, E. W., *J. Phys. Chem. Ref. Data*, 2002, Vol. 31, p. 173.
1124. Barkan, E. S., *Russ. J. Phys. Chem.*, 1983, Vol. 57, p. 1378.
1125. Lee, M., Chen, J., *J. Chem. Eng. Jap.*, 1998, Vol. 31, p. 518.
1126. Al-Bizreh, N., Wormald, Ch. J., *J. Chem. Thermodyn.*, 1978, Vol. 10, p. 231.
1127. Iglesias-Silva, G. A., Hall, K. R., *Ind. Eng. Chem. Res.*, 2001, Vol. 40, p. 1968.
1128. Patel, M. R., Holste, J. C., Hall, K. R., Eubank, P. T., *Fluid Phase Equilibria*, 1987, Vol. 36, p. 279.
1129. O'Connel, J. P., Prausnitz, J. M., *Ind. Eng. Chem. Fundam.*, 1972, Vol. 9, p. 579.
1130. Maass, O., Mennie, J., *Proc. Roy. Soc. London*, 1926, Vol. 110A, p. 198.
1131. Keyes, F. G., *Int. J. Heat Mass Transfer*, 1962, Vol. 5, p. 137.
1132. Kell, G. S., McLaurin, G. E., Whalley, E., *J. Chem. Phys.*, 1968, Vol. 48, p. 3805.
1133. Keyes, F. G., *J. Chem. Phys.*, 1949, Vol. 17, p. 923.
1134. Vukalovich, M. P., Trankhtengerts, M. S., Spiridonov, G. A., *Teploenergetika*, 1991, Vol. 14, p. 65.
1135. Kurumov, D. S., Vasil'ev, Ya. L., Grigor'ev, B. A., *Russ. J. Phys. Chem.*, 1986, Vol. 60, p. 286.
1136. Hajjar, R. F., Kay, W. B., Leverett, G. F., *J. Chem. Eng. Data*, 1969, Vol. 14, p. 377.
1137. McGlashan, M. L., Potter, D. J. B., *Proc. Roy. Soc. London*, 1962, Vol. 26A, p. 478.
1138. Garner, M. D. G., McCoubrey, J. C., *Trans. Faraday Soc.*, 1952, Vol. 55, p. 1524.
1139. Aften'ev, Ya. M., *Thermophys. Properties Substances Mater.*, GSSSD, Moscow, 1981, Vol. 14, p. 115.

1140. Connolly, J. F., Kandalic, G. A., *Phys. Fluids*, 1960, Vol. 3, p. 463.
1141. Zaalishvili, Sh. D., Belousova, Z. S., Verkhova, V. P., *J. Phys. Chem.*, 1971, Vol. 45, p. 1589.
1142. Gasanov, N. S., Ph.D. Thesis, Dushanbe, 1972.
1143. Wilhoit, R. C., Zwolinski, B. J., *J. Phys. Chem. Ref. Data*, 1973, Vol. 1, Suppl. 2, p. 1.
1144. Smith, B. D., Srivastava, R., *Phys. Sci. Data*, Elsevier, Amsterdam, 1986, Vol. 25.
1145. Craven, R. J. B., de Reuck, K. M., *Int. J. Thermophys.*, 1986, Vol. 7, p. 541.
1146. Zubarev, V. N., Prusakov, P. G., Sergeev, L. V., *Thermophysical Properties of Methyl Alcohol*, GSSSD, Moscow, 1973.
1147. Marshall, W. L., Jones, E. V., *J. Inorg. Nucl. Chem.*, 1974, Vol. 36, p. 2319.
1148. Krichevskii, I. R., Khazanova, N. E., Lifshits, L. R., *Russ. J. Phys. Chem.*, 1957, Vol. 31, p. 2711.
1149. Harrison, R. H., Gammon, B. E., *Private Commun.*, IUPAC Center, 1989.
1150. Abdulagatov, I. M., Azizov, N. D., *Fluid Phase Equilibria*, 2004, Vol. 216, p. 189.
1151. Griswold, J., Havey, J. D., Klein, V. A., *Ind. Eng. Chem.*, 1943, Vol. 35, p. 701.
1152. Wormald, C. J., Vine, M. D., *J. Chem. Thermodyn.*, 2000, Vol. 32, p. 439.
1153. Griswold, J., Wong, S. Y., *Chem. Eng. Prog. Symp. Ser.*, 1952, Vol. 48, p. 18.
1154. Wormald, C. J., Yerlett, T. K., *J. Chem. Thermodyn.*, 2000, Vol. 32, p. 97.
1155. Keenan, J. H., Keyes, F. G., Hill, P. G., Moore, J. G., *Steam Tables*, Wiley, New York, 1969.
1156. Japas, M. L., Franck, E. U., *Ber. Bunsenges. Phys. Chem.*, 1985, Vol. 89, p. 1268.
1157. Sretenskaya, N. G., Sadus, R. J., Franck, E. U., *J. Phys. Chem.*, 1995, Vol. 99, p. 4273.
1158. Seward, T. M., Franck, E. U., *Ber. Bunsenges. Phys. Chem.*, 1981, Vol. 85, p. 2.
1159. Lentz, H., Franck, E. U., *Ber. Bunsenges. Phys. Chem.*, 1969, Vol. 73, p. 28
1160. Wu, G., Heiling, M., Lentz, H., Franck, E. U., *Ber. Bunsenges. Phys. Chem.*, 1990, Vol. 94, p. 247.
1161. Welsch, H., Ph. D. Thesis, Die Systeme Xenon-Wasser und Methan-Wasser bei Hohen Drucken und Temperaturen, University Karlsruhe, Karlsruhe, 1973.
1162. Prokhorov, V. M., Tsiklis, D. S., *Russ. J. Phys. Chem.*, 1970, Vol. 44, p. 1173.
1163. Takenouchi, S., Kennedy, G. C., *Am. J. Sci.*, 1964, Vol. 262, p. 1055.
1164. Morrison, G., *J. Phys. Chem.*, 1981, Vol. 85, p. 759.
1165. Todheide, K., Franck, E. U., *Z. Phys. Chemie*, 1963, Vol. 37, p. 387.
1166. Smits, P. J., Smits, R. J. A., Peters, C. J., de Swaan Arons J., *J. Chem. Thermodyn.*, 1997, Vol. 29, p. 23.
1167. Stuckey, J. E., Secoy, C. H., *J. Chem. Eng. Data*, 1963, Vol. 8, p. 386.
1168. Tsiklis, D. S., Linshits, L. R., Goryunova, N. P., *Russ. J. Phys. Chem.*, 1966, Vol. 39, p. 1590.
1169. Sassen, C. L., van Kwartel, R. A. C., van der Kool, H. J., de Swaan Arons, J., *J. Chem. Eng. Data*, 1990, Vol. 35, p. 140.
1170. Rizvi, S. S., Heidemann, R. A., *J. Chem. Eng. Data*, 1987, Vol. 32, p. 183.
1171. Urusova, M. A., *Russ. J. Inorg. Chem.*, 1974, Vol. 59, p. 828.
1172. Fokeev, V. M., *Izv. Vyssh. Uchebn. Zaved., Ser. Geologiya Razvedka*, 1966, Vol. 9, p. 96.
1173. Oakes, C. S., Bodnar, R. J., Simonson, J. M., Pitzer, K. S., *Int. J. Thermophys.*, 1995, Vol. 16, p. 483.
1174. Marshall, W. L., *J. Chem. Eng. Data*, 1982, Vol. 27, p. 175.
1175. Dubois, M., Weisbrod, A., Shtuka, A., *Chem. Geology*, 1994, Vol. 115, p. 227.
1176. Marshall, W. L., Hall, C. E., Mesmer, R.E., 1981, Vol. 43, p. 449.
1177. Vandana V., Teja A.S., *Fluid Phase Equilibria*, 1995, Vol. 103, p. 113.
1178. Christensen, S. P., Paulaitis, M. E., *Fluid Phase Equilibria*, 1992, Vol. 71, p. 63.
1179. White, J. F., *Trans. Am. Inst. Chem. Eng.*, 1942, Vol. 38, p. 435.

1180. Barr-David, F., Dodge, B. F., *J. Chem. Eng. Data*, 1959, Vol. 4, p. 107.
1181. Sultanov, R. G., Skripka, V. G., Namiot, A. Yu., *Russ. Gas Industry*, 1971, No. 4, p. 6.
1182. Shmonov, V. M., Sadus, R. J., Franck, E. U., *J. Phys. Chem.*, 1993, Vol. 97, p. 9054.
1183. Danneil, A., Toedheide, K., Franck, E. U., *Chem. -Ing. -Tech.*, 1967, Vol. 39, p. 816.
1184. De Loos, Th. W., Wijen, A. J. M., Diepen, G. A. M., *J. Chem. Thermodyn.*, 1980, Vol. 12, p. 193.
1185. Sanchez, M., Lentz, H., *High Temperatures — High Pressures*, 1973, Vol. 5, p. 689.
1186. Tsiklis, D. S., Maslennikova, V. Ya., *Dokl. Akad. Nauk SSSR*, 1964, Vol. 157, p. 426.
1187. Tsonopoulos, C., Dymond, J. H., *Fluid Phase Equilibria*, 1997, Vol. 133, p. 11.
1188. Harvey, A. H., Bellows, J. C., Evaluation and Correlation of Steam Solubility Data for Salts and Minerals of Interest in the Power Industry. NIST Technical Note 1387, U.S. Government Printing Office: Washington, D.C., 1997.
1189. Kitajima, H., Kagawa, N., Endo, H., Tsuruno, S., Magee, J.W., *J. Chem. Eng. Data*, 2003, Vol. 48, p. 1583.
1190. Alibekov, B. G., Ph. D. Thesis, MOPI, Moscow, 1963.
1191. Kafarov, T. E., Ph. D. Thesis, Azerbaijan State Oil and Chemistry Institute, Baku, 1969.
1192. Gamidov, Sh. G., Ph. D. Thesis, Azerbaijan State University, Baku, 1971.
1193. Gamidov, Sh. G., *Dokl. Akad. Nauk Azerb. SSR*, 1960, Vol. 16, p. 1161.
1194. Kerimov, A.M., Gamidov, Sh.G., *Izv. Akad. Nauk Azerb. SSR*, 1971, Vol. 4, p. 73.
1195. Schneider, G. M., in: *Water - A Comprehensive Treatise*, Vol. 2, Plenum Press, New York, 1973, Chap. 6, pp. 381–404.
1196. Polikhronidi, N. G., Abdulagatov, I. M., Magee, J. W., Stepanov, G. V., *Int. J. Thermophys.*, 2004 (to be submitted).
1197. Polikhronidi, N. G., Abdulagatov, I. M., Magee, J. W., Stepanov, G. V., *J. Supercritical Fluids*, 2004 (to be submitted).
1198. Polikhronidi, N. G., Abdulagatov, I. M., Magee, J. W., Stepanov, G. V., *Fluid Phase Equilibria*, 2004 (to be submitted).
1199. Abdulagatov, I. M., Azizov, N. D., *Int. J. Thermophys.*, 2004 (to be submitted).
1200. Bazaev, A. R., Abdulagatov, I. M., Bazaev, E. A., Magee, J. W., Abdurashidova, A., *Int. J. Thermophys.*, 2004, Vol. 25, p. 181.
1201. Couch, H. T., Kozicki, W., Sage, B. H., *J. Chem. Eng. Data*, 1963, Vol. 8, p. 346.