

References

1. Basset, I., Basset, I. I., *Phys. et al. rad., Suppl. A*, 1954, Vol. 15, p. 47.
2. Golubev, I. F., *Trudy GIAP*, GIAP [Gos. Inst. Azotn. Promyshl.], Moscow, 1957, No. 7, p. 47.
3. Golubev, I. F., Vagina, E. N., *Trudy GIAP*, GIAP [Gos. Inst. Azotn. Promyshl.], Moscow, 1963, No. 60, p. 39.
4. Golubev, I. F., Dobrovolskii, O. A., *Trudy GIAP*, GIAP [Gos. Inst. Azotn. Promyshl.], Moscow, 1964, No. 5, p. 43.
5. Abas-Zade, A. K., Kerimov, A. M., *Teplofizicheskie svoistva zhidkostei* (Thermophysical Properties of Liquids), Nauka, Moscow, 1970, p. 34.
6. Pavlovich, N. V., Timrot, D. L., *Teploenergetika*, 1958, No. 4, p. 69.
7. Voityuk, B. V., Moseichuk, L. V., Dalakyan, Zh. A., *Izmeritel'naya tekhnika*, 1974, No. 1, p. 38.
8. Haynes, W. M., *Rev. Sci. Instrum.*, 1977, Vol. 48, No. 1, p. 39.
9. Beams, I. W., *Rev. Sci. Instrum.*, 1969, Vol. 40, No. 1, p. 167.
10. Haynes, W. M., Hiza, M. I., *Rev. Sci. Instrum.*, 1976, Vol. 47, No. 10, p. 1237.
11. Slabskii, L. N., *Metody i pribory eksperimental'noi fiziki predel'nykh izmerenii* (Methods and Devices of the Experimental Physics of Fine Measurements), Nauka, Moscow, 1973, p. 330.
12. Voityuk, B. V., Rabinovich, V. A., Moseichuk, L. V., Denisenko, A. A., *Teplofizicheskie svoistva veshchestv i materialov* (Thermophysical Properties of Substances and Materials), Izd. Standartov, Moscow, 1975, No. 8, p. 246.
13. Dix, M., Fareleira, I. M., *Int. J. Thermophysics*, 1991, Vol. 12, No. 2, p. 357.
14. Handel, G., Kleinrahm, R., Wagner, W., *J. Chem. Thermodynamics*, 1992, Vol. 24, p. 685.
15. Golubev, I. F., Vasil'kovskaya, T. N., Zolin, V. S., *Trudy GIAP*, 1979, No. 54, p. 5.
16. Zolin, V. S., Golubev, I. F., Vasil'kovskaya, T. N., *Trudy GIAP*, 1979, No. 54, p. 26.
17. Vasil'kovskaya, T. N., Golubev, I. F., Zolin, V. S., *Trudy GIAP*, 1979, No. 54, p. 15.
18. Zolin, V. S., Vasil'kovskaya, T. N., Golubev, I. F., *Teplofizicheskie svoistva veshchestv i materialov* (Thermophysical Properties of Substances and Materials), Izd. Standartov, Moscow, 1983, No. 18, p. 20.
19. Gilden, R., Kleinrahm, R., Wagner, W., *J. Chem. Thermodynamics*, 1994, Vol. 26, p. 399.
20. Gilden, R., Kleinrahm, R., Wagner, W., *J. Chem. Thermodynamics*, 1994, Vol. 26, p. 383.
21. Duschek, W., Kleinrahm, R., Wagner, W., *J. Chem. Thermodynamics*, 1990, Vol. 22, p. 841.
22. Duschek, W., Kleinrahm, R., Wagner, W., *J. Chem. Thermodynamics*, 1990, Vol. 22, p. 827.
23. Kleinrahm, R., Wagner, W., *J. Chem. Thermodynamics*, 1986, Vol. 18, p. 739.
24. Burnett, E. S., *J. Appl. Mechanics. A*, 1936, No. 19, p. 136.
25. Tsiklis, D. S., Linshits, L. R., Rodkina, I. B., *Zh. Fiz. Khim.*, 1966, Vol. 40, No. 11, p. 2823.

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26. Kuskova, N. V., Martynets, V. G., Matizen, E. V., Sartakov, A. G., *Zh. Fiz. Khim.*, 1983, Vol. 57, No. 12, p. 2971.
27. Kuskova, N. V., Kukarin, V. E., Martynets, V. G., Matizen, E. V., *J. Chem. Thermodynamics*, 1991, Vol. 23, p. 523.
28. Martynets, V. G., Matizen, E. V., *Teplofizicheskie svoistva veshchestv i materialov* (Thermophysical Properties of Substances and Materials), Izd. Standartov, Moscow, 1979, No. 13, p. 13.
29. Kuskova, N. V., Martynets, V. G., Matizen, E. V., *Teplofizicheskie svoistva veshchestv i materialov* (Thermophysical Properties of Substances and Materials), Izd. Standartov, Moscow, 1989, No. 27, p. 82.
30. Greenwood, H. J., *Amer. J. Science*, 1969, Vol. 267 A, p. 191.
31. Michels, A., Michels, C., Wonters, H. H., *Proc. Roy. Soc. London A*, 1935, Vol. 153, p. 214.
32. Michels, A., Wijker, H., Wijker, H. K., *Physica*, 1979, Vol. 15, p. 627.
33. Keyes, F. G., Smith, L. B., Gerry, H. T., *Proc. Amer. Acad. Arts and Sci.*, 1936, Vol. 70, p. 319.
34. Bilevich, A. V., Vereshchagin, L. F., Kalashnikov, Ya. A., *Prib. Tekh. Eksp.*, 1961, No. 3, p. 146.
35. Zakirov, I. V., *Ocherki fizicheskoi khimii petrologii* (Issues on the Physical Chemistry of Petrology), Nauka, Moscow, 1977, No. 7, p. 28.
36. Zakirov, I. V., *Problema eksperimenta v tverdofazovoi i gidrotermal'noi apparature vysokogo давления* (The Problem of Experiments Using High-Pressure Hydrothermal Apparatuses), Nauka, Moscow, 1982, p. 206.
37. Shmulovich, K. M., Shmonov, V. M., Zakirov, I. V., *Metody eksperimental'nogo issledovaniya hidrotermal'nykh ravnovesii* (Methods of Experimental Studies of Hydrothermal Equilibria), Nauka, Novosibirsk, 1979, p. 82.
38. Tsiklis, D. S., Polyakov, E. V., *Dokl. Akad Nauk SSSR*, 1967, Vol. 176, p. 308.
39. Shmonov, V. M., Shmulovich, K. M., *Tablitsy termodinamicheskikh svoistv gazov i zhidkostei. Dvuokis' ugleroda* (Tables of Thermodynamic Properties of Gases and Liquids: Carbon Dioxide), Izd. Standartov, Moscow, 1978, No. 3, p. 1807.
40. Vukalovich, M. P., Altunin, V. V., *Teploenergetika*, 1969, No. 11.
41. Vukalovich, M. P., Altunin, V. V., Timoshchenko, N. I., *Teploenergetika*, 1963, No. 1, p. 85.
42. Rivkin, S. L., Akhundov, T. S., *Teploenergetika*, 1962, No. 5, p. 62.
43. Rivkin, S. L., Akhundov, T. S., *Teploenergetika*, 1962, No. 3, p. 57.
44. Rivkin, S. L., Akhundov, T. S., *Teploenergetika*, 1963, No. 9, p. 219.
45. Rivkin, S. L., Troyanovskaya, G. V., *Teploenergetika*, 1964, No. 10, p. 72.
46. Rivkin, S. L., Troyanovskaya, G. V., Akhundov, T. S., *Teplofiz. Vys. Temp.*, 1964, Vol. 2, No. 2, p. 219.
47. Rivkin, S. L., Akhundov, T. S., Kremenevskaya, E. A., Asadullaev, N. N., *Teploenergetika*, 1966, No. 4, p. 59.
48. Akhundov, T. S., Asadullaev, N. N., *Izv. Vyssh. Uchebn. Zaved., Neft' i Gaz*, 1968, No. 6, p. 83.
49. Akhundov, T. S., Abdullaev, F. G., *Izv. Vyssh. Uchebn. Zaved., Neft' i Gaz*, 1974, No. 1, p. 62.
50. Akhundov, T. S., Imanov, Sh. Yu., *Teplofizicheskie svoistva zhidkosteii*, Nauka, Moscow, 1970, p. 48.
51. Akhundov, T. S., *Izv. Vyssh. Uchebn. Zaved., Neft' i Gaz*, 1973, No. 11, p. 20.
52. Kurumov, D. S., Grigor'ev, B. A., *Zhur. Fiz. Khimii*, 1982, Vol. 56, p. 551.
53. Grigor'ev, B. A., Kurumov, D. S., Abdulagatov, I. M., Vasil'ev, Yu. L., *Teplofiz. Vys. Temp.*, 1986, Vol. 24, p. 1096.
54. Kurumov, D. S., Topchiev, S. A., *Fazovye perekhody i teplofizicheskie svoistva mnogokomponentnykh sistem* (Phase Transitions and Thermophysical Properties of Multicomponent Systems), Dagestan. Filial Akad. Nauk SSSR, Makhachkala, 1990, p. 180.
55. Kurumov, D. S., Grigor'ev, B. A., Vasil'ev, Yu. L., *Teplofizicheskie svoistva veshchestv i materialov* (Thermophysical Properties of Substances and Materials), Izd. Standartov, Moscow, 1989, No. 27, p. 101.
56. Kurumov, D. S., *Doctoral (Eng. Sci.) Dissertation*, Inst. for Power Engineering, Moscow, 1991, p. 40.
57. Kurumov, D. S., Olchowy, G. A., Sengers, J. V., *Int. J. Thermophysics*, 1988, Vol. 9, p. 73.
58. Zubarev, V. N., *Teploenergetika*, 1973, No. 8, p. 19.
59. Zubarev, V. N., *Teploenergetika*, 1962, No. 7, p. 64.
60. Vukalovich, M. P., Zubarev, V. N., Aleksandrov, A. A., *Teploenergetika*, 1961, No. 10, p. 79.
61. Zubarev, V. N., Prusakov, P. G., Barkovskii, V. V., *Pribory i tekhnika eksperimenta*, 1974, No. 4, p. 180.
62. Zubarev, V. N., *Teploenergetika*, 1965, No. 10, p. 88.
63. Zubarev, V. N., *Teploenergetika*, 1965, No. 9, p. 67.

64. Zubarev, V. N., *Teploenergetika*, 1963, No. 10, p. 74.
65. Zubarev, V. N., *Teploenergetika*, 1966, No. 3, p. 77.
66. Dobrokhотов, А. В., Устюзhanin, Е. Е., Dudenkov, V. N., Miloslavskii, D. S., *Trudy MEI*, 1982, No. 575, p. 103.
67. Dobrokhотов, А. В., Устюзhanin, Е. Е., *Trudy MEI*, 1986, No. 114, p. 90.
68. Dobrokhотов, А. В., *Cand. Sci. (Eng.) Dissertation*, Moscow, MEI, 1989, p. 16.
69. Bronstein, I. K., Zakirov, I. V., Lunicheva, I. I., Mishchenchuk, O. A., Sokurenko, Yu. V., *Metody i sredstva tenzometrii i ikh ispol'zovanie v narodnom khozyaistve* (Methods and Devices of Tensimetry and their Application in Economy), IMAShONTI, Moscow, 1976, p. 31.
70. Sokurenko, Yu. V., Zakirov, I. V., Mishchenchuk, O. A., *Metody i sredstva tenzometrii i ikh ispol'zovanie v narodnom khozyaistve* (Methods and Devices of Tensimetry and their Application in Economy), IMAShONTI, Moscow, 1976.
71. Zakirov, I. V., *Geokhimiya*, 1984, No. 6, p. 805.
72. Zakirov, I. V., *Termodinamika i geologiya* (Thermodynamics and Geology), Chernogolovka, 1985, Vol. 1, p. 163.
73. Zakirov, I. V., *Cand. Sci. (Geol.-Mineralog.) Dissertation*, Chernogolovka, IEM, 1987.
74. Abdulagatov, I. M., Bazaev, A. R., Ramazanova, A. E., *Int. J. Thermophysics*, 1993, Vol. 14, p. 231.
75. Abdulagatov, I. M., Bazaev, A. R., Ramazanova, A. E., *J. Chem. Thermodynamics*, 1993, Vol. 25, p. 249.
76. Abdulagatov, I. M., Bazaev, A. R., Ramazanova, A. E., *Ber. Bunsenges. Phys. Chem.*, 1994, Vol. 98, p. 1596.
77. Abdulagatov, I. M., Bazaev, A. R., Gasanov, R. K., Ramazanova, A. E., Physical Chemistry of Aqueous Systems, *Proc. 12th Int. Conference on the Properties of Water and Steam*, H. J. White, J. V. Sengers, D. B. Neumann, and J. C. Bellows, Eds., Begell House, New York, 1995, p. 558.
78. Abdulagatov, I. M., Bazaev, A. R., Gasanov, R. K., Ramazanova, A. E., *J. Chem. Thermodynamics*, 1996, Vol. 28, p. 1037.
79. Abdulagatov, I. M., Bazaev, A. R., Gasanov, R. K., Ramazanova, A. E., *Proc. 4th Asian Thermo-physical Properties Conference*, Tokyo, 1995, Vol. 3, p. 809.
80. Bazaev, A. R., *J. Heat Transfer*, 1988, No. 1, p. 113.
81. Abdulagatov, I. M., Bazaev, A. R., Gasanov, R. K., Bazaev, E. A., Ramazanova, A. E., *J. Supercritical Fluids*, 1997 (in press).
82. Abdulagatov, I. M., Bazaev, A. R., Gasanov, R. K., Bazaev, E. A., Ramazanova, A. E., *High Temperatures – High Pressures*, 1997.
83. Haar, L., Gallagher, J. S., Kell, G. S., *NBS/NRC Steam Tables*, Hemisphere Publ. Co, Washington, DC, 1984.
84. Sychev, V. V., Aleksandrov, A. A., Ershova, Z., *Svoistva materialov i veshchestv. Voda i vodyanoi par* (Properties of Materials and Substances: Water and Steam), Izd. Standartov, Moscow, 1990, No. 1, p. 49.
85. Beattie, J. A., Key, W. C., *J. Amer. Chem. Soc.*, 1937, Vol. 59, p. 1585.
86. Kurumov, D. S., Grigor'ev, B. A., Vasil'ev, Yu. L., *Zhur. Fiz. Khimii*, 1986, Vol. 60, p. 14.
87. Grigor'ev, B. A., Rastorguev, Yu. L., Kurumov, D. S., Gerasimov, A. A., *Termodynamicheskie svoistva n-geksana v zhidkoi i parovoi fazakh pri temperaturakh 180–620 K i davleniyakh 0.1–60 MPa* (Thermodynamic Properties of n-Hexane in the Liquid and Vapor Phases at Temperatures of 180–620 K and Pressures of 0.1–60 MPa), GNI, Groznyi, 1981, p. 47.
88. Mamedov, A. M., Akhundov, T. S., *Tablitsy termodinamicheskikh svoistv gazov i zhidkosteii. Uglevodorody aromaticheskogo ryada* (Tables of Thermodynamic Properties of Gases and Liquids: Aromatic Hydrocarbons), Izd. Standartov, Moscow, 1975, No. 5.
89. Golovskii, E. A., Tsymarnyi, V. A., *Teploenergetika*, 1969, No. 1, p. 67.
90. Golovskii, E. A., Tsymarnyi, V. A., *Teplofizicheskie svoistva veshchestv. Trudy Vsesoyuznoi Nauchno-tehnicheskoi konferentsii po termodinamike* (Thermophysical Properties of Substances. Proc. All-Union Symposium on Thermodynamics), LTIKhP, Leningrad, 1969, p. 257.
91. Golovskii, E. A., *Cand. Sci. (Eng.) Dissertation*, Odessa Inst., Odessa, 1969.
92. Golovskii, E. A., Mitsevich, E. P., Tsymarnyi, V. A., *Izmerenie plotnosti etana v intervale 90.23–270.21 K do davlenii 604.09 bar* (Measuring Ethane Density at Temperatures of 90.23–270.21 K and Pressures up to 604.09 Bar), Available from All-Union Research Inst. (VNIIE Gazprom), 1978, No. 39M.

93. Golovskii, E. A., Elema, V. A., Zagoruchenko, V. A., Tsymarnyi, V. A., *Izv. Vyssh. Uchebn. Zaved., Neft' i Gaz*, 1969, No. 1, p. 85.
94. Golovskii, E. A., Zagoruchenko, V. A., Tsymarnyi, V. A., *Izv. Vyssh. Uchebn. Zaved., Neft' i Gaz*, 1973, No. 9, p. 73.
95. Zozulya, V. N., Blagoi, Yu. P., *Fiz. Nizk. Temp.*, 1975, Vol. 1, p. 1171.
96. Blagoi, Yu. P., Zozulya, V. N., Teplofizicheskie svoistva veshchestv, *Trudy Vsesoyuznoi Nauchno-tehnicheskoi konferentsii po termodinamike* (Thermophysical Properties of Substances, Proc. All-Union Symposium on Thermodynamics), LTIKhP, Leningrad, 1969, p. 199.
97. Hollis-Hallet, A. C., *Proc. Roy. Soc. A*, 1951, Vol. 210, p. 404.
98. Dash, J. G., Taylor, R. D., *Phys. Rev. A*, 1957, Vol. 105, p. 7.
99. Rabinovich, V. A., Tokina, L. A., Berezin, V. M., *Tepl. Vys. Temperatur*, 1970, Vol. 8, p. 789.
100. Rabinovich, V. A., Tokina, L. A., Berezin, V. M., *Tepl. Vys. Temperatur*, 1973, Vol. 11, p. 64.
101. Mikhailov-Mikheev, P. B., *Metall gazovykh turbin* (Metal for Gas Turbines), Mashgiz, Moscow, 1958.
102. Ermakov, G. V., Skripov, V. P., *Tepl. Vys. Temperatur*, 1968, Vol. 6, p. 89.
103. Ermakov, G. V., Baidakov, V. G., Skripov, V. P., *Zhur. Fiz. Khimii*, 1973, Vol. 47, p. 1026.
104. Chukanov, V. N., Skripov, V. P., *Tepl. Vys. Temperatur*, 1971, Vol. 9, p. 739.
105. Evstafeev, V. N., Chukanov, V. N., Skripov, V. P., *Tepl. Vys. Temperatur*, 1977, Vol. 15, p. 659.
106. Evstafeev, V. N., Chukanov, V. N., Skripov, V. P., *Teploenergetika*, 1977, No. 9, p. 66.
107. Skripov, V. P., Chukanov, V. N., Baidakov, V. G., Bulanov, N. V., *Teplofizicheskie svoistva zhidkostei* (Thermophysical Properties of Liquids), Nauka, Moscow, 1976, p. 121.
108. Chukanov, V. N., Shtokolov, E. A., *Teplofizicheskie svoistva zhidkostei i vzryvnoe vskipanie* (Thermophysical Properties of Liquids and Burst Boiling), UNTs Akad. Nauk SSSR, Sverdlovsk, 1976, p. 48.
109. Baidakov, V. G., Skripov, V. P., Kaverin, A. M., *Zh. Eksp. Teor. Fiz.*, 1974, Vol. 67, No. 2(8), p. 676.
110. *Teplofizicheskie svoistva zhidkostei v metastabil'nom sostoyanii*. Spravochnik (A Handbook on the Thermodynamic Properties of Liquids in a Metastable State), Skripov, V. P., Sinitsyn, E. N., Pavlov, P. P., Ermakov, G. V., Muratov, G. N., Bulanov, N. V., Baidakov, V. G., Atomizdat, Moscow, 1980, p. 208.
111. Strelkov, P. G., Itskevich, E. S., Kostryukov, V. N., *Zhurn. Fiz. Khimii*, 1954, Vol. 28, p. 459.
112. Voronel', A. V., Strelkov, P. G., *Prib Tekh. Izmerenii*, 1960, No. 6, p. 111.
113. Chashkin, Yu. R., Smirnov, V. A., Voronel', A. V., *Teplofizicheskie svoistva veshchestv i materialov* (Thermophysical Properties of Substances and Materials), Izd. Standartov, Moscow, 1970, No. 2, p. 139.
114. Voronel', A. V., *Phase Transitions and Critical Phenomena*, Domb, C., Green, M. S., Eds., Academic Press, London, 1976, Vol. 5A, Chap. 5.
115. Voronel', A. V., Gorbunova, V. G., Chashkin, Yu. R., Shchekochikhina, V. V., *Zhur. Eksp. Teor. Fiziki*, 1966, Vol. 50, p. 897.
116. Shavandrin, A. M., Potapova, N. M., Chashkin, Yu. R., *Teplofizicheskie svoistva veshchestv i materialov* (Thermophysical Properties of Substances and Materials), Izd. Standartov, Moscow, 1976, No. 9, p. 141.
117. Chashkin, Yu. R., Voronel', A. V., Smirnov, V. A., Gorbunova, V. G., *Zhur. Eksp. Teor. Fiziki*, 1967, Vol. 52, p. 112.
118. Goodwin, R. D., *J. Res. Nat. Bur. Stand. (U.S.)*, Sect. C, 1961, Vol. 65, p. 231.
119. Gladun, G., *Cryogenics*, 1966, Vol. 6, No. 1, p. 27.
120. Goodwin, R. D., Weber L. A., *J. Res. Nat. Bur. Stand. (U.S.)*, Sect. A, 1969, Vol. 73A, p. 1.
121. Goodwin, R. D., Weber L. A., *J. Res. Nat. Bur. Stand. (U.S.)*, Sect. A, 1969, Vol. 73A, p. 15.
122. Magee, J. W., Ely, J. F., *Int. J. Thermophysics*, 1986, Vol. 7, No. 6, p. 1163.
123. Mayrath, J. E., Magee J. W., *J. Chem. Thermodynamics*, 1989, Vol. 21, p. 499.
124. Weber, L. A., *J. Chem. Thermodynamics*, 1981, Vol. 13, p. 389.
125. Weber, L. A., *J. Chem. Eng. Data*, 1982, Vol. 27, p. 203.
126. Goodwin, R. D., Prydz, R., *J. Res. Nat. Bur. Stand. (U. S.)*, Sect. A, 1970, Vol. 74A, p. 499.
127. Prydz, R., Goodwin, R. D., *J. Res. Nat. Bur. Stand. (U. S.)*, Sect. A, 1970, Vol. 74A, p. 661.
128. Roder, H. M., *J. Res. Nat. Bur. Stand. (U. S.)*, Sect. A, 1976, Vol. 80A, p. 739.
129. Younglove, B. A., Diller, D. E., *Cryogenics*, 1962, Vol. 2, No. 5, p. 283.
130. Younglove, B. A., Diller, D. E., *Cryogenics*, 1962, Vol. 2, No. 5, p. 348.
131. Younglove, B. A., *J. Res. Nat. Bur. Stand. (U. S.)*, Sect. C, 1974, Vol. 78A, No. 3, p. 401.

132. Buckingham, M. J., Edwards, C., Lipa, J. A., *Rev. Sci. Instrum.*, 1973, Vol. 44, p. 1167.
133. Lipa, J. A., Edwards, C., Buckingham, M., *J. Phys. Rev. A*, 1977, Vol. 15, p. 778.
134. Lipa, J. A., Edwards, C., Buckingham, M., *J. Phys. Rev. Lett.*, 1970, Vol. 25, p. 1086.
135. Wuzz, V., Grubic, M., *J. Phys. E., Sci. Instrum.*, 1980, Vol. 13, p. 525.
136. Kruger, K., *Fortschritt-Berichte VDI-Zeitschrift*, Reihe, 1964, Vol. 6, p. 1.
137. Michels, A., Strijland, I. C., *Physica*, 1952, Vol. 18, p. 613.
138. Eucken, A., *Berl. Bericht*, 1912, p. 141.
139. Trautz, M., Trautz, O., *Ann. Phys.*, 1929, Vol. 2, p. 737.
140. Bennewitz, K., Solittgerber, Zs., *J. Phys. Chem.*, 1926, Vol. 124, p. 49.
141. Sage, B. H., Lacey, W. N., *Ind. Eng. Chem.*, 1935, Vol. 27, p. 1484.
142. Maass, O., Geddis, A. Z., *Trans. Roy. Soc. London A*, 1937, Vol. 236, p. 303.
143. Pall, O. B., Broughton, I. W., Maass, O., *Can. J. Res. B*, 1938, Vol. 16, p. 230.
144. Bruant, M. O., Jones, G. O., *Proc. Phys. Soc. Ser. B*, 1953, Vol. 66, p. 421.
145. Hoge, H. J., *J. Res. Nat. Bur. Stand. (U. S.)*, 1950, Vol. 44, p. 321.
146. Anisimov, M. A., Koval'chuk, B. A., Rabinovich, V. A., Smirnov, V. A., *Teplofizicheskie svoistva veshchestv i materialov* (Thermophysical Properties of Substances and Materials), Izd. Standartov, Moscow, 1975, No. 8, p. 237.
147. Anisimov, M. A., Beketov, V. G., Voronov, V. P., Nagaev, V. B., Smirnov, V. A., *Teplofizicheskie svoistva veshchestv i materialov* (Thermophysical Properties of Substances and Materials), Izd. Standartov, Moscow, 1982, No. 16, p. 48.
148. Anisimov, M. A., Beketov, V. G., Voronov, V. P., Nagaev, V. B., Smirnov, V. A., *Teplofizicheskie svoistva veshchestv i materialov* (Thermophysical Properties of Substances and Materials), Izd. Standartov, Moscow, 1982, No. 16, p. 124.
149. Anisimov, M. A., Beketov, V. G., Voronov, V. P., Smirnov, V. A., *Tepl. Vys. Temperatur*, 1982, No. 2, p. 382.
150. Adamov, Sh. P., Anisimov, M. A., Smirnov, V. A., *Teplofizicheskie svoistva veshchestv i materialov* (Thermophysical Properties of Substances and Materials), Izd. Standartov, Moscow, 1983, No. 18, p. 13.
151. Kiselev, S. B., Khalidov, S.-E., Yudin, A. V., *Inzh. Fiz. Zhurnal*, 1988, Vol. 54, No. 5, p. 797.
152. Nagaev, V. B., Smirnov, V. A., Khalidov, S.-E., *Teplofizicheskie svoistva veshchestv i materialov* (Thermophysical Properties of Substances and Materials), Izd. Standartov, Moscow, 1989, No. 27, p. 20.
153. Adamov, Sh. P., Smirnov, V. A., *Issledovaniya v oblasti nizkotemperaturnoi termometrii i teplofiziki* (Studies in Low-Temperature Thermometry and Thermal Physics), Izd. VNIFTRI, Moscow, 1981, p. 47.
154. Adamov, Sh. P., Anisimov, M. A., Smirnov, V. A., *Teplofizicheskie svoistva veshchestv i materialov* (Thermophysical Properties of Substances and Materials), Izd. Standartov, Moscow, 1983, No. 18, p. 7.
155. Shmakov, N. G., *Teplofizicheskie svoistva veshchestv i materialov* (Thermophysical Properties of Substances and Materials), Izd. Standartov, Moscow, 1973, No. 7, p. 155.
156. Anisimov, M. A., Koval'chuk, B. A., Rabinovich, V. A., Smirnov, V. A., *Teplofizicheskie svoistva veshchestv i materialov* (Thermophysical Properties of Substances and Materials), Izd. Standartov, Moscow, 1978, No. 12, p. 86.
157. Karpukhin, G. V., Rykov, V. A., Sarmina, M. D., *Metrologicheskoe obespechenie teplofizicheskikh izmerenii pri nizkikh temperaturakh* (Metrological Devices and Methods for Thermophysical Measurements at Low Temperatures), Dal'standart, Khabarovsk, 1988, Part 2, p. 47.
158. Mikhailov, Yu. P., Ryabushova, T. I., Lysenkov, V. F., *Protsessy i apparaty kriogennoi tekhniki i konditionirovaniya* (Processes and Apparatuses of Cryogenics and Conditioning), LTI im. Lensoveta, Leningrad, 1985, p. 97.
159. Godvinskaya, N. V., Lysenkov, V. F., *Inzh.-Fiz. Zh.*, 1991, Vol. 60, No. 6, p. 1037.
160. Guigo, E. I., Ershova, N. S., Margolin, M. F., *Kholodil'n. Tekh.*, 1978, No. 11, p. 29.
161. Rabusheva, T. I., Ershova, N. S., *Eksperimental'nye znacheniya teploemnosti C_V propana* (Experimental Values of the Heat Capacity C_V of Propane), Available from Leningrad. TsNIII, 1979, No. 1111-79.
162. Shmakov, N. G., Gorbunova, V. G., *Issledovaniya v oblasti nizkotemperaturnoi termometrii i teplofiziki* (Studies in Low-Temperature Thermometry and Thermal Physics), Izd. VNIFTRI, Moscow, 1981, p. 89.

163. Shmakov, N. G., Gorbunova, V. G., Chernova, G. N., *Izokhurnaya teploemkost' propana v dvukhfaznom sostoyanii pri temperaturakh ot 90 K do 350 K. Tablitsy standartnykh dannykh* (Tables of Standard data on the Isochoric Heat Capacity of Propane in the Two-Phase State at Temperatures of 90–350 K), Izd. Standartov, Moscow, 1983, No. 38-82.
164. Ryabushcheva, T. N., Guigo, E. I., Petrunina, E. B., *Kholodil'n. Promyshl.*, 1978, No. 11, p. 30.
165. Adamov, Sh. P., Smirnov, V. A., *Teplofizicheskie svoistva chistykh veshchestv i vodnykh rastvorov elektrolitov* (Thermophysical Properties of Pure Substances and Aqueous Solutions of Electrolytes), Dagestan. Filial, Akad. Nauk SSSR, Makhachkala, 1987, p. 61.
166. Adamov, Sh. P., Anisimov, M. A., Kiselev, S. B., Rabinovich, V. A., Smirnov, V. A., *Tepl. Vys. Temperatur*, Available from VINITI, 1980, No. 2618-80
167. Bektov, V. G., *Cand. Sci. (Eng.) Dissertation*, Azizbekov Azerbaijan Inst., 1981.
168. Amirkhanov, Kh. I., Adiabatic Calorimeter, USSR Inventor's Sertificate No. 77653, MKL G No. 25/20, 1948.
169. Amirkhanov, Kh. I., *Doctoral Dissertation*, Leningrad, 1943.
170. Amirkhanov, Kh. I., Stepanov, G. V., Alibekov, B. G., *Izokhurnaya teploemkost' vody i vodyanogo para* (Isochoric Heat Capacity of Water and Steam), Dagestan. Filial, Akad. Nauk SSSR, Makhachkala, 1969, p. 216.
171. Amirkhanov, Kh. I., Stepanov, G. V., Abdulagatov, I. M., Bui, O. A., *Izokhurnaya teploemkost' propilovogo i izopropilovogo spirtov* (Isochoric Heat Capacity of Propyl and Isopropyl alcohols), Dagestan. Filial, Akad. Nauk SSSR, Makhachkala, 1989, p. 195.
172. Amirkhanov, Kh. I., Alibekov, B. G., Vikhrov, D. I., Mirskaya, V. A., *Izokhurnaya teploemkost' i drugie kaloricheskie svoistva uglevodorodov metanovogo ryda* (Isochoric Heat Capacity and Other Caloric Properties of Hydrocarbons of the Methane Series), Dagestan. Filial, Akad. Nauk SSSR, Makhachkala, 1981, p. 254.
173. Vargaftik, N. B., *Teplofizicheskie svoistva zhidkostei and Gases* (Thermophysical Properties of Liquids and Gases), Nauka, Moscow, 1976, p. 720.
174. Defoe, C. G., Furukawa, G. T., *J. Amer. Chem. Soc.*, 1953, Vol. 75, p. 522.
175. Abdulagatov, I. M., Levina, L. N., Zakaryaev, Z. R., Mamchenkova O. N., *J. Chem. Thermodynamics*, 1995, Vol. 27, p. 1385.
176. Abdulagatov, I. M., Kiselev, S. B., Levina, L. N., Zakaryaev, Z. R., Mamchenkova, O. N., *Int. J. Thermophysics*, 1996, Vol. 17, No. 2, p. 423.
177. Abdulagatov, I. M., Levina, L. N., Zakaryaev, Z. R., Mamchenkova, O. N., *Proc. Fourth Asian Thermophysical Properties Conference*, Tokyo, 1995, p. 635.
178. Abdulagatov, I. M., Levina, L. N., Zakaryaev, Z. R., Mamchenkova, O. N., *Fluid Phase Equilibria*, 1996, Vol. 26.
179. Zakar'yaev, Z. R., *O termicheskikh i baricheskikh deformatsiyakh sosudov vysokogo davleniya* (On the Temperature and Pressure Induced Deformations of High-Pressure Vessels), Ruk. dep. v VINITI, No. 559, 1979, No. 11, p. 87.
180. Bochkov, M. M., *Cand. Sci. (Eng.) Dissertation*, Inst. High Pressures, Akad. Nauk SSSR, Moscow, 1985.
181. Amirkhanov, Kh. I., Alibekov, B. G., Polikchronidi, N. G., Batyrova, R. G., *Teplofizicheskie svoistva zhidkostei i gazov* (Thermophysical Properties of Liquids and Gases), Dagestan. Filial, Akad. Nauk SSSR, Makhachkala, 1979, p. 15.
182. Abdulagatov, I. M., Polikchronidi, N. G., Batirova, R. G., *J. Chem. Thermodynamics*, 1994, Vol. 26, p. 1031.
183. Abdulagatov, I. M., Polikchronidi, N. G., Batirova, R. G., *Ber. Bunsenger. Phys. and Chem.*, 1994, Vol. 98, p. 1018.
184. Abdulagatov, I. M., Stepanov, G. V., Bou, O. A., *J. Chem. Thermodynamics*, 1991, Vol. 23, p. 617.
185. Amirkhanov, Kh. I., Abdulagatov, I. M., Alibekov, B. G., Stepanov, G. V., Bou, O. A., *J. Chem. Thermodynamics*, 1988, Vol. 20, p. 513.
186. Abdulagatov, I. M., Vikhrov, D. I., Mirskaya, V. A., *Termodynamicheskie svoistva n-pentana* (Thermodynamic Properties of *n*-Pentane), Izd. Standartov, Moscow, 1990, p. 71.
187. Amirkhanov, Kh. I., Kerimov, A. M., *Teploenergetika*, 1957, No. 9, p. 68.
188. Kerimov, A. M., *Teploenergetika*, 1968, No. 1, p. 60.
189. Amirkhanov, Kh. I., Kerimov, A. M., *Teploenergetika*, 1963, No. 9, p. 61.

190. Amirkhanov, Kh. I., Kerimov, A. M., *Teploenergetika*, 1963, No. 8, p. 64.
191. Abdulagatov, I. M., Mursalov, B. A., Gamzatov, N. M., Physical Chemistry of Aqueous Systems, *Proc. 12th Int. Conference on the Properties of Water and Steam*, H. J. White, J. V. Sengers, D. B. Neumann, and J. C. Bellows, Eds., Begell House, New York, 1995, p. 94.
192. Stepanov, G. V., Bui, O. A., Shakhbanov, K. M., *Zhur. Fiz. Khimii*, 1989, Vol. 63, No. 9, p. 2524.
193. Abdulagatov, I. M., Dvoryanchikov, V. I., Abdurakhmanov, I. M., *Proc. of the 11th Int. Conference on the Properties of Water and Steam*, Pichal, M., Shifner, O., Eds., Hemisphere Pub. Cor., New York, 1989, p. 203.
194. Abdulagatov, I. M., Dvoryanchikov, V. I., *Teploenergetika*, 1990, No. 8, p. 69.
195. Abdulagatov, I. M., Dvoryanchikov, V. I., *J. Chem. Thermodynamics*, 1993, Vol. 25, p. 823.
196. Mursalov, B. A., Bochkov, M. M., *Teplofizicheskie svoistva individual'nykh veshchestv i smesei* (Thermophysical Properties of Pure Substances and Mixtures), 1989, p. 5.
197. Abdulagatov, I. M., Bochkov, M. M., Mursalov, B. A., *Teploenergetika*, 1988, No. 1, p. 67.
198. Amirkhanov, Kh. I., Vikhrov, D. I., Mirskaya, V. A., *Teplofizicheskie svoistva chistykh veshchestv i vodnykh rastvorov elektrolitov* (Thermophysical Properties of Pure Substances and Aqueous Solutions of Electrolytes), Dagestan. Filial, Akad. Nauk SSSR, Makhachkala, 1987, p. 32.
199. Amirkhanov, Kh. I., Polikhronidi, N. G., Alibekov, B. G., Batyrova, R. G., *Teplofizicheskie svoistva veshchestv v kondensirovannom sostoyanii* (Thermophysical Properties of Substances in the Condensed State), Dagestan. Filial, Akad. Nauk SSSR, Makhachkala, 1982, p. 3.
200. Abdulagatov, I. M., Dvoryanchikov, V. I., Mursalov, B. A., *Fluid Phase Equilibria*, 1997 (in press).
201. Abdulagatov, I. M., Bochkov, M. M., Mursalov, B. A., *Teplofizicheskie svoistva veshchestv i materialov* (Thermophysical Properties of Substances and Materials), Izd. Standartov, Moscow, 1989, Vol. 27, p. 95.
202. Kerimov, A. M., Alieva, M. K., *Teplofizicheskie svoistva zhidkostei* (Thermophysical Properties of Liquids), Nauka, Moscow, 1970, p. 172.
203. Kerimov, A. M., Kafarov, T. E., Gamidov, Sh. G., Suleimanov, Ya. M., *Teplofizicheskie svoistva zhidkostei* (Thermophysical Properties of Liquids), Nauka, Moscow 1970, p. 176.
204. Kerimov, A. M., Alieva, M. K., Muradov, A. A., *Teplofizicheskie svoistva zhidkostei* (Thermophysical Properties of Liquids), Nauka, Moscow 1970, p. 179.
205. Amirkhanov, Kh. I., Alibekov, B. G., Polikhronidi, N. G., Batyrova, R. G., *Teplofizicheskie svoistva veshchestv i materialov* (Thermophysical Properties of Substances and Materials), Izd. Standartov, Moscow, 1982, Vol. 16, p. 17.
206. Abdulagatov, I. M., Levina, L. N., Zakar'yaev, Z. R., Mamchenkova, O. N., *Zh. Prikl. Khim.*, 1996, Vol. 69, Vol. 10, p. 1625.
207. Abdulagatov, I. M., Levina, L. N., Zakar'yaev, Z. R., Mamchenkova, O. N., *Dokl. Ross. Akad. Nauk*, 1994, Vol. 339, p. 764.
208. Stepanov, G. V., Shakhbanov, K. A., Bui, O. A., *Teplofizicheskie svoistva individual'nykh veshchestv i smesei* (Thermophysical Properties of Pure Substances and Mixtures), Dagestan. Nauch. Tsentr, Ross. Akad. Nauk, Makhachkala, 1991, p. 58.
209. Stepanov, G. V., Shakhbanov, K. A., Bui, O. A., *Termodinamika fazovykh prevrashchenii i kriticheskikh yavlenii* (Thermodynamics of Phase Transformations and Critical Phenomena), Dagestan. Nauchn. Tsentr, Russian Akad. Nauk, Makhachkala, 1991, p. 8.
210. Oleinik, B. N., *Tochnaya kalorimetriya* (Precise Calorimetry), Izd. Standartov, Moscow, 1973, p. 208.
211. Vasil'ev, Ya. V., Matskevich, N. I., *Teplovoy ekvivalent lineinykh kalorimetricheskikh sistem. Kalorimetriya v adsorbsii i katalize* (Thermal Equivalent of Linear Calorimetric Systems. Calorimetry in Adsorption and Catalysis), A Collection of Research Works, Novosibirsk, 1984, p. 90.
212. Kondrat'ev, G. M., *Teplovye izmereniya* (Thermal Measurements), Mashizdat, Moscow-Leningrad, 1957, p. 244.
213. Hsieh, C. K., Wang, X. A., *Rev. Sci. Instrum.*, 1982, Vol. 53, No. 5, p. 684.
214. Zaka'yaev, Z.R., *Cand. Sci. (Eng.) Dissertation*, Inst. of Problems in Geothermy, Dagestan Division, Russian Academy of Sciences, Makhachkala, Dagestan, Russia, 1994.
215. Gebhardt, E., Becker, M., *Ztschr. Metallk*, 1951, Bd. 42, No. 4, S. 111.
216. Belyaev, N. M., *Soprotivlenie materialov* (Strength of Materials), Gos. Izd. Tekhniko-Teoreticheskoi Literatury, Moscow, 1956, p. 856.

217. Malkov, M. P., Danilov, I. B., *Spravochnik po fiziko-tehnicheskim osnovam glubokogo okhlazdeniya* (A Handbook on the Physicotechnical Fundamentals of Deep Cooling), Moscow-Leningrad, GEI, 1963, p. 416.
218. Kein, V. M., *Konstruirovaniye termoregulyatorov* (Constructing Temperature Regulators), Moscow, 1971, p. 152.
219. Zakar'yaev, Z. R., *Prib. Tekh. Eksper.*, 1986, No. 5, p. 210.
220. *Experimental Thermodynamics*, Butterworths, London, 1968, Vol. 1, p. 295.
221. Zakar'yaev, Z. R., *Teplofizicheskie svoistva chistikh veshchestv i vodnykh rasvorov elektrolitov* (Thermophysical Properties of Pure Substances and Aqueous Solutions of Electrolytes), Dagestan. Filial, Akad. Nauk SSSR, Makhachkala, 1987, p. 68.
222. Amirkhanov, Kh. I., Stepanov, G. V., Zakar'yaev, Z. R., *Teplofizicheskie svoistva veshchestv i materialov* (Thermophysical Properties of Substances and Materials), Izd. Standartov, Moscow, 1982, No. 16, p. 43.
223. Zakar'yaev, Z. R., *Inzh.-Fiz. Zh.*, 1982, Vol. 53, No. 5, p. 796.
224. Bilevich, A. V., Vereshchagin, L. F., Kalashnikov, Ya. A., *Prib. Tekh. Eksper.*, 1961, No. 3, p. 146.
225. Porkhun, A. I., Tsaturyants, A. B., Porkhun, L. D., *Prib. Tekh. Eksper.*, 1976, No. 5, p. 253.
226. Zakar'yaev, Z. R., *Teplofizicheskie svoistva veshchestv i materialov* (Thermophysical Properties of Substances and Materials) Dagestan. Filial Akad. Nauk SSSR, Makhachkala, 1979, p. 52.
227. Zakar'yaev, Z. R., *Termicheskie i baricheskie deformatsiih sosudov vysokogo davleniya* (Temperature and Pressure Induced Deformations of High-Pressure Vessels), Available from VINITI, No. 559, Moscow, 1979, p. 7.
228. Zhokhovskii, M. K., *Teoriya i raschet priborov s neuplotnennym porshnem* (Theory and Calculations for Devices with a Nontightened Piston), Moscow, 1960, p. 108.
229. Dul'nev, G. N., *Izv. Akad. Nauk SSSR*, Otd. Tekh. Nauk, 1956, Vol. 7, p. 122.
230. Dul'nev, G. N., Kondrat'ev, G. M., *Izv. Akad. Nauk SSSR*, Otd. Tekh. Nauk, 1955, Vol. 7, p. 201.
231. Gladun, G., *Cryogenics*, 1966, Vol. 6, No. 1, p. 27.
232. Gritsenko, A. N., Buleiko, V. M., Nagaev, V. B., *Izv. Vyssh. Uchebn. Zaved., Neft' i Gaz*, 1984, No. 5, p. 55.
233. Kaye, G. W. C., Laby, T. H., *Tables of Physical and Chemical Constants and some Mathematical Functions*, Longmans, London, 1959, p. 248.
234. Hirshfelder, J. O., Curtiss, C. F., Bird, R. B., *Molecular Theory of Gases and Liquids*, Chap. 3, Wiley, N.Y., 1954.
235. Buckingham, A. D., *Intermolecular Interaction from Diatomic to Biopolymer*, B. Pullmann., Ed., Wiley, Chichester, 1978, Vol. 2, p. 1.
236. Das, G., Wagner, A. F., Wahl, A. C., *J. Chem. Phys.*, 1978, Vol. 68, No. 11, p. 4917.
237. Ree, F. H., Winter, N. W., *J. Chem. Phys.*, 1980, Vol. 71, p. 322.
238. Pritchard, D. E., *J. Chem. Phys.*, 1972, Vol. 56, No. 8, p. 4206.
239. Leonas, V. B., Samuilov, E. V., *Teplofiz. Vys. Temp.*, 1966, Vol. 4, p. 710.
240. Gough, D. W., Maitland, G. C., Smith, E. B., *Mol. Phys.*, 1972, Vol. 24, No. 1, p. 151.
241. Maitland, G. C., Mason, E. A., Vichland, L. A., Wakeham, W. A., *Mol. Phys.*, 1978, Vol. 36, No. 3, p. 797.
242. Abdulagatov, I. M., Alibekov, B. G., *Zh. Fiz. Khim.*, 1982, Vol. 56, No. 2, p. 1162.
243. Abdulagatov, I. M., Akhundov, R. T., Ishkhanov, Yu. B., *Izv. Vyssh. Uchebn. Zaved., Neft' i Gaz*, 1985, No. 6, p. 51.
244. Sokolova, I. A., *Obzory po teplofizicheskim svoistvam veshchestv*, Inst. Vysokikh Temperatur, Akad. Nauk SSSR, Moscow, 1990, No. 6 (86), p. 138.
245. o'Connell, J. P., *Supercritical Fluids, Fundamentals for Applications*, E. Kiran and J. M. N. Levelt Sengers, Eds., NATO ASI Series, London, 1993, Vol. 273, p. 191.
246. Mchugh, M. A., Krukonis, V. J., *Supercritical Fluid Extraction*, Butterworths, Boston, 1986.
247. *Supercritical Science and Technology*, Johnston, K. P., Penninger, J. M. L., Eds., ACS Symposium Series, 406, ACS, Washington, DC, 1989.
248. Penninger, J., M. L., Rados, Z. M., Mchugh, M. A., Krukonis, V. J., *Supercritical Fluid Technology*, Elsevier, N. Y., 1985.
249. Kihara, T., *Rev. Modern Phys.*, 1953, Vol. 25, No. 4, p. 831.
250. Mason, E. A., Spurling, T. N., *The Virial Equation of State*, Pergamon Press, London, 1969.

251. *Physics of Simple Liquids*, Temperley, H. N. Y., Rowlinson, J. S., Rushbrooke, G. S., Eds., North-Holland Pub. Company, Amsterdam, 1968.
252. Japas, M. L., Franck, E. U., *Ber. Bunsenges. Phys. Chem.*, 1985, Vol. 89, p. 793.
253. Boyes, S. J., Weber, L. A., *Int. J. Thermophys.*, 1994, Vol. 15, p. 443.
254. Christoforakos, M., Franck, E. U., *Ber. Bunsenges. Phys. Chem.*, 1986, Vol. 90, p. 780.
255. Heiling, M., Franck, E. U., *Ber. Bunsenges. Phys. Chem.*, 1989, Vol. 93, p. 898.
256. Heiling, M., Franck, E. U., *Ber. Bunsenges. Phys. Chem.*, 1990, Vol. 94, p. 27.
257. Rowlinson, J. S., *Mol. Phys.*, 1963, Vol. 6, p. 75.
258. Kihara, T., *Prog. Theory Phys. Suppl.*, 1967, Vol. 40, p. 177.
259. Kihara, T., *Adv. Chem. Phys.*, 1963, Vol. 5, p. 147.
260. Kihara, T., *Intermolecular Forces*, Wiley, New York, 1976.
261. Wischel, W., *Int. J. Thermophys.*, 1990, Vol. 11, p. 1075.
262. Koide, A., Kihara, T., *J. Chem. Phys.*, 1974, Vol. 5, p. 34.
263. Hoover, A. E., Nagata, I., Leland, T. W., Kobayashi, R., *J. Chem. Phys.*, 1968, Vol. 48, p. 2633.
264. Edalat, M., Lan, S. S., Pany, F., Mansoori, G. A., *Int. J. Thermophys.*, 1980, Vol. 1, p. 177.
265. Sherwood, A. E., Prausnitz, J. M., *J. Chem. Phys.*, 1964, Vol. 41, No. 2, p. 413.
266. Pompe, A., Spurling, T. H., *Virial Coefficients for Mixtures of Gaseous Hydrocarbons*, CSIRO, Australia. Div. Appl. Organic Chem. Tech. Pap. No. 3. 1976.
267. Dymond, J. H., Smith, E. B., *The Virial Coefficients of Pure Gases and Mixtures. A Critical Compilation*, Clarendon Press, Oxford, 1980.
268. Marjorie de Reuck, K., *High Temperatures-High Pressures*, 1985, Vol. 17, p. 201.
269. Wagner, W., Ewers, J., Schmidt, R., *Cryogenics*, 1984, No. 1, p. 37.
270. Kell, G. S., McLaurin, G. E., Whally, E., *Proc. of the 11 th Int. Conference on the Properties of Water and Steam*, Pichal M. and Sifner, O., Eds., Hemisphere Publ. Corp., New York, 1990, p. 99.
271. Keyes, F. G., Smith, L. B., Gerry, H. T., *Proc. Am. Acad. Arts*, 1936, Vol. 70, p. 319.
272. Kell, G. S., McLaurin, G. E., Whally E., *J. Chem. Phys.*, 1968, Vol. 48, p. 3805.
273. Keyes, F. G., *Int. J. Heat Mass Transfer*, 1962, Vol. 5, p. 137.
274. Keenan, J. H., Keyes, F. G., Hill, P. G., Moore, J. G., *Steam Tables*, New York, Wiley, 1969, p. 148.
275. Keyes, F. G., *J. Chem. Phys.*, 1949, Vol. 17, p. 923.
276. LeFevre, E. J., Nightingate, M. R., Rose, J. W., *J. Mech. End. Sci.*, 1975, Vol. 17, p. 243.
277. O'Connell, J. P., Prausnitz, J. M., *Ind. Eng. Chem. Fundam.*, 1970, Vol. 9, p. 579.
278. Michels, A., van Straaten, W., Dawson, *Physica*, 1954, Vol. 20, p. 17.
279. Ayber, R., *Wasserstoff-hemischen Vol-Forch*, 1965, No. 511, p. 1.
280. Sytchev, V. V., Vasserman, A. A., Zagoruchenko, V. A., Kozlov, A. D., Spiridonov, G. A., Zymarnyi, V. A., *Termodynamicheskie svoistva metana* (Thermodynamic Properties of Methane), Izd. Standartov, Moscow, 1979.
281. Griskey, R. G., Canjar, L. N., *AICHE*, 1959, Vol. 5, p. 29.
282. Griskey, R. G., Canjar, L. N., *J. Chem. Eng. Data*, 1963, Vol. 8, p. 341.
283. Pompe, B. A., Spurling, T. H., *Virial Coefficients for Gaseous Hydrocarbons*, CSIRO, Australia. Div. Appl. Organic Chem. Tech. Pap. No. 1, Melbourne, 1974, p. 103.
284. Starling, K. E., *Fluid Thermodynamics Properties for Light Petroleum Systems*, Cult Publishing, Houston, TX, 1973.
285. Kurumov, D. S., Grigor'ev, B. A., Rastorguev, Ya. L., *Automatizatsiya i elektrofikaziya obiektov neftyanoi promyshlennosti*, Grozny, 1978, p. 49.
286. Bich, E., Lober, T., Milat, J., *Fluid Phase Equilibria*, 1992, Vol. 75, p. 149.
287. McGlashan, M. L., Potter, D. J. B., *Proc. Royal Soc. London. A*, 1962, Vol. 267, p. 478.
288. Collings, A. F., Laughlin, I. L., *J. Chem. Phys.*, 1980, Vol. 73, No. 7, p. 3390.
289. Lambert, J. D., Roberts, G., A. H., Rowlinson, J. S., Wilkinson, V., *J. Proc. Royal Soc.*, 1952, Vol. 196, p. 113.
290. Lee, B., Edmister, W. C., *Ind. Eng. Chem. Fundam.*, 1971, Vol. 10, p. 32.
291. Dymond, J. H., *Fluid Phase Equilibria*, 1986, Vol. 27, p. 1.
292. Rettich, T. R., Battino, R., Wilhelm, E., *J. Solution Chem.*, 1984, Vol. 13, p. 335.
293. Rigby, M., Prausnitz, J. M., *J. Phys. Chem.*, 1968, Vol. 72, p. 330.
294. Richards, P., Wormald, C. J., Yerlett, T. K., *J. Chem. Thermodynamics*, 1981, Vol. 13, p. 623.

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295. Aoyagi, K., Song, K. Y., Sloan, D., Dharmawardhana, P. B., Kobayashi, R., *Proc. 5th Annual Conventional Gas Proces. Assoc.*, Tulsa, Oklahoma, 1979.
296. Wormald, C. J., Lancaster, N. M., *J. Chem. Soc. Faraday Trans. I*, 1988, Vol. 84, p. 3141.
297. Smith, G. R., Sellars, A., Yerltt, T. K., Wormald, C. J., *J. Chem. Thermodynamics*, 1983, Vol. 15, p. 29.
298. Smith, G. R., Fahy, M. J., Wormald, C. J., *J. Chem. Thermodynamics*, 1984, Vol. 16, p. 825.
299. Wang, W., Khoshbarchi, M. K., Vera J. H., *Fluid Phase Equilibria*, 1989, Vol. 21, p. 25.
300. Barboy, B., Gelbort, W. M., *J. Chem. Phys.*, 1979, Vol. 71, p. 3053.
301. Gibbons, R. M., *Mol. Phys.*, 1970, Vol. 18, p. 809.
302. Kaul, B. K., Donohue, M. P., Prausnitz, J. M., *Fluid Phase Equilibria*, 1980, Vol. 4, p. 171.
303. Donohue, M. O., Prausnitz, J. M., *AIChEJ*, 1978, Vol. 24, p. 849.
304. Morachevskii, A. G., Smirnova, N. A., Piotrovskaya, E. N., et al., Ed. Morachevskii, A. G., *Termodinamika ravnovesiya zhidkost'-par* (Thermodynamics of Liquid-Vapor Equilibria), Khimiya, Leningrad, 1989.
305. Tsonopoulos, C., Dymond, J. H., Szafranski, A. M., *Pure and Appl. Chem.*, 1989, Vol. 61, No. 8, p. 1387.
306. Eubank, P. T., Joffrion, L. L., Patel, M. R., Warawhy, W., *J. Chem. Thermodynamics*, 1988, Vol. 20, p. 1009.
307. Wong, D., S. H., Sandler, S. I., *AIChEJ*, 1992, Vol. 38, p. 671.
308. Orbey, H., Sandler, S. I., *Int. J. Thermophysics*, 1995, Vol. 16, p. 695.
309. Hayden, J. G., O'Connell, J. P., *Ind. Eng. Chem. Proc. Des. Devel.*, 1975, Vol. 14, No. 3, p. 209.
310. Millat, J., Hendl, H., Bich, E., *Int. J. Thermophysics*, 1994, Vol. 15, p. 903.
311. Grigor'ev, B. A., Kurumov, D. S., Vasil'ev, Yu. L., *Zh. Fiz. Khim.*, 1986, Vol. 60, p. 14.
312. Hajjav, R. F., Kay, W. B., Leverett, G. F., *J. Chem. End. Data*, 1969, Vol. 14, p. 377.
313. Smith, L. B., Beattie, J. A., and Kay W. C., *J. Am. Chem. Soc.*, 1937, Vol. 59, p. 1587.
314. Van Pelt, A., Peters, C. J., de Swaan, J. A., *J. Chem. Phys.*, 1993, Vol. 99, p. 9920.
315. Van Pelt, A., Peters, C. J., de Swaan, J. A., *Fluid Phase Equilibria*, 1993, Vol. 84, p. 23.
316. Peters, C. J., de Roo, J. L., de Swaan, J. A., *Fluid Phase Equilibria*, 1992, Vol. 72, p. 251.
317. Gasem, K., A. M., Robinson, R. L., *Fluid Phase Equilibria*, 1990, Vol. 58, p. 13.
318. Ponce-Ramirez, L., Lira-Galeuna, C., Tapia-Medina., *Fluid Phase Equilibria*, 1992, Vol. 70, p. 1.
319. Kim, C. H., Vimalchand, P., Donohue, M. D., Sandler, S. I., *AIChE J.*, 1986, Vol. 32, p. 1726.
320. Anderko, A., *Fluid Phase Equilibria*, 1990, Vol. 61, p. 145.
321. van Pelt, A., *Ph. D. Thesis*, Delft University of Technology, 1992.
322. Sandler, S. I., Supercritical Fluids: Fundamentals for Application, E. Kiran and J. M. H. Levelt Sengers, Eds., *NATO ASI Series*, Boston, 1994, Vol. 273, p. 147.
323. Vukalovich, M. P., Novikov, I. I., *Uravnenie sostoyaniya real'nykh gazov* (Equation of State of Real Gases), Gosenergoizdat, Moscow, 1948.
324. Abdulagatov, I. M., Doctoral Dissertation (Chem.), Moskovskii gosudarstvennyi energeticheskii institut, Moscow, 1991.
325. Batalin, O. Yu., Brusilovskii, A. N., Zakharov, M. Yu., *Fazovye ravnovesiya v sistemakh prirodnykh uglevodorodov* (Phase Equilibria in Systems of Natural Hydrocarbons), Nedra, Moscow, 1992, p. 272.
326. Wang, W., Kroshkarchi, M. K., Vera, J. H., *Fluid Phase Equilibria*, 1996, Vol. 115, p. 25.
327. Labes, P., Daridon, J. L., Lagourette, B., Saint-Guirons, H., *Int. J. Thermophys.*, 1994, Vol. 15, No. 5, p. 803.
328. Rabinovich, V.A., Sheludyak, Yu. E., *Teplofiz. Vys. Temp.*, 1996, Vol. 34, No. 5, p. 796.
329. Van der Waals, J. D., Kohnstamm, P., *Lehrbuch der Thermodynamik*, Vol. 1, Maass and Van Suchten, Amsterdam, 1908, Vol. 2, Barth, Leipzig, 1912.
330. Redlich, O., Kwong, J. N. S., *Chem. Rev.*, 1949, Vol. 44, p. 233.
331. Soave, G., *Chem. Eng. Sci.*, 1972, Vol. 27, p. 1197.
332. Peng, D. Y., Robinson, D. B., *Ind. Eng. Chem. Fundam.*, 1976, Vol. 15, p. 59.
333. Fuller, G. G., *Ind. Eng. Chem. Fundam.*, 1976, Vol. 15, p. 254.
334. Schmidt, G., Wenzel, H., *Chem. Eng. Science*, 1980, Vol. 35, p. 1503.
335. Harmens, A., Knapp, H., *Ind. Eng. Chem. Fund.*, 1980, Vol. 19, p. 291.
336. Patel, N. C., Teja, A. S., *J. Chem. Eng. Sci.*, 1982, Vol. 37, p. 463.
337. Mansoori, G. A., Ely, J. F., *J. Chem. Phys.*, 1985, Vol. 82, p. 406.

338. Guggenheim, E. A., *Mol. Phys.*, 1965, Vol. 9, p. 199.
339. Sadus, R. J., *High Pressure Phase Behavior of Multicomponent Fluid Mixtures*, Elsevier, Amstrdam, 1992.
340. Sadus, R. J., *AIChEJ*, 1994, Vol. 40, p. 1376.
341. Sadus, R. J., Young, C. L., *Chem. Eng. Sci.*, 1988, Vol. 43, p. 883.
342. Park, S. J., Kwak, T. Y., Mansoori, G. A., *Int. J. Thermophysics*, 1987, Vol. 8, p. 449.
343. Lielmezs J., Merrian L. H. *Thermochim. Acta*. 1986, Vol. 105, p. 131.
344. Cheok, N.-T., Atwal, V. S., Lielmezs, J. *Thermochim. Acta*. 1986, Vol. 106, p. 201.
345. Lielmezs, J., Beatson, G. A., *Chem. Eng. Sci.*, 1989, Vol. 40, p. 1994.
346. Abbott, M. M., *Adv. Chem. Ser.*, 1979, Vol. 182, p. 47.
347. Patel, N. C., *Int. J. Thermophysics*, 1996, Vol. 17, No. 8. C. 673.
348. Gibbons, R. M., Laughton, A. P., *J. Chem. Soc. Faraday Trans. II*, 1984, Vol. 80, p. 1019.
349. Melhem, G. A., Saini R., Goodwin, B. M., *Fluid Phase Equilibria*, 1989, Vol. 47, p. 189.
350. Twu, C. H., Bluck, D., Cunningham, J. R., Coon, J. E., *Fluid Phase Equilibria*, 1991, Vol. 69, p. 33.
351. Peneloux, A., Rauzy, E., Freze, R., *Fluid Phase Equilibria*, 1982, Vol. 8, p. 7.
352. Anisimov, M. A., *Critical Phenomena in Liquids and Liquid Crystals*, Gordon and Breach, Philadelphia, 1991.
353. Sengers, J. V., Levelt Sengers, J. M. H., *Progress in Liquid Physics*, ed. by C. A. Croxton, Wiley, New York, 1978, p. 103.
354. Rabinovich, V. A., Shcheludyak, Yu., *Inzh.-Fiz. Zh.*, 1993, Vol. 64, No. 3, p. 341.
355. Albright, P. C., Sengers, J. V., Nicoll, J. F., Ley-Koo, M. A., *Int. J. Thermophysics*, 1986, Vol. 7, p. 75.
356. Jin, G.-X., Tang, S., Sengers, J. V., *Phys. Rev. E*, 1993, Vol. 47, No. 1, p. 388.
357. Albright, P. C., Chen, Z. Y., Sengers, J. V., *Phys. Rev. B*, 1987, Vol. 36, p. 847.
358. Beattie, J. A., Bridgeman, O. C., *Proc. Am. Acad Arts. Sci.*, 1928, Vol. 63, p. 229.
359. Benedict, M., Webb, G. B., Rubin, L. C., *J. Chem. Phys.*, 1940, Vol. 8, p. 334.
360. Strobridge, T. R., *Thermodynamic Properties of Nitrogen from 64 to 300 K between 0.1 and 200 atm*, NBS Technical Note (U. S.), No. 129. 1962.
361. Bender, E., *5th Symp. on Thermophysical Property ASME*, No. 4. 1970.
362. Starling, K. E., *Hydrocarbon Process*, 1971, Vol. 50, p. 101.
363. Jacobsen, R. T., Stewart, R. B., *J. Phys. Chem.*, Ref. Data, 1973, Vol. 2, p. 767.
364. Schmidt, R., Wagner, W. A., *Fluid Phase Equilibria*, 1985, Vol. 19, p. 175.
365. Prüß, A., Wagner, W., Physical Chemistry of Aqueous Systems, *Proc. of the 12th Int. Conference on the Property of Water and Steam*, H. J. White, J. V. Sengers, D. B. Neumann, and J. C. Bellows, Eds., Begell House, New York, 1995, p. 66.
366. Sychev, V. V., Vasserman, A. A., Zagoruchenko, V. A., Kozlov, A. D., Spiridonov, G. A., Tsymarnyi, V. A., *Termodinamicheskie svoistva metana* (Thermodynamic Properties of Methane), Izd. Standartov, Moscow, 1982, p. 303.
367. Goodwin, R. D., *Adv. Cryogenic Eng.*, 1978, Vol. 23, p. 611.
368. Benedict, M., Webb, G. B., Rubin, L. C., *J. Chem. Phys.*, 1942, Vol. 10, p. 747.
369. Lee, B. I., Kesler, M. G., *AIChEJ*, 1975, Vol. 21, p. 510.
370. Reid, R. S., Prausnitz, J. M., Poling, B. E., *The Properties of Gases and Liquids*, McGraw Hill, No. 4, 1986.
371. Georgeton, G. K., Teja, A. S., *Chem. Eng. Sci.*, 1989, Vol. 44, p. 2703.
372. Prikhod'ko, I. V., Viktorov, A. I., Smironova, N. A., *Zh. Prikl. Khim.*, 1989, Vol. 62, No. 12, p. 2734.
373. Prikhod'ko, I. V., Shmel'tser, Yu., Viktorov, A. I., Smironova, N. A., *Zh. Prikl. Khim.*, 1989, Vol. 62, No. 12, p. 2738.
374. Viktorov, A. I., Kudryavtseva, L., Kuus, M., *Izv. Akad. Nauk. Estonii, Khim.*, 1989, Vol. 38, No. 3, p. 178.
375. Prikhod'ko, I. V., de Loos Th. W., Victorov, A. I., *Int. J. Thermophys.*, 1995, Vol. 16, No. 5, p. 1278.
376. Smirnova, N. A., Viktorov, A. I., *Zhur. Prikl. Khimii*, 1989, Vol. 60, No. 5, p. 1091.
377. Smirnova, N. A., Victorov A. I., *Fluid Phase Equilibria*, 1993, Vol. 82, p. 333.
378. Smirnova, N. A., Victorov A. I., *Fluid Phase Equilibria*, 1987, Vol. 34, p. 235.
379. Prikhod'ko, I. V., Doctoral Dissertation, St.-Petersburg State University, St.-Petersburg, 1992.
380. Johnston, J. K., Gubbins K. E. *Mol. Phys.* 1992, Vol. 77, p. 1033.

348 REFERENCES

381. Landau, L. D., Lifshitz, E. M., *Statistical Physics*, Parts 1 and 2, 3rd ed., Pergamon Press, Oxford, 1980.
382. Findenegy, G. H., *Statistische Thermodynamik*, Dr. Dietrich Steinokopff Verlay, Darmstadt, Germany, 1985.
383. Sandler, S. I., *Fluid Phase Equilibria*, 1985, Vol. 19, p. 233.
384. Carnahan, N. F., Starling, K. E., *AIChEJ*, 1972, Vol. 18, p. 1184.
385. Viktorov, A. I., Kuranov, G. L., Morachevskii, A. G., Smirnova, N. A., *Zhur. Prikl. Khimii*, 1991, Vol. 64, No. 5, p. 961.
386. Weeks, J. D., Chandler, D., Andersen, H. C., *J. Chem. Phys.*, 1971, Vol. 54, p. 5237.
387. Carnahan, N. F., Starling, K. E., *J. Chem. Phys.*, 1970, Vol. 53, p. 600.
388. Monsori, G. A., Carnahan, N. F., Starling, K. E., Leland, T. W., *J. Chem. Phys.*, 1971, Vol. 54, p. 1523.
389. Boublík, T., *J. Chem. Phys.*, 1975, Vol. 63, p. 4084.
390. Chen, C. H., Greenkorn, R. H., Chao, K. C., *AIChEJ*, 1983, Vol. 29, p. 560.
391. Alder, B. J., Young, D. A., Mark, M. A., *J. Chem. Phys.*, 1972, Vol. 56, p. 3013.
392. Tildesley, D. J., Streett, W. D., *Mol. Phys.*, 1980, Vol. 41, p. 85.
393. Honnell, K. G., Hall, C. K., *J. Chem. Phys.*, 1989, Vol. 90, p. 1841.
394. Beret, S., Prausnitz, J. M., *AIChE J.*, 1975, Vol. 21, p. 1123.
395. Beret, S., Prausnitz, J. M., *Macromolecules*, 1975, Vol. 8, p. 878.
396. Donohue, M. P., Prausnitz, J. M., *Statistical Thermodynamics of Solutions in Natural Gas and Petroleum Refining*, Report RR-26, Gas Processors Assn., 1977.
397. Donohue, M. P., Vimalchand, P., *Fluid Phase Equilibria*, 1988, Vol. 40, p. 185.
398. Liu, D. D., Prausnitz, J. M., *Ind. Eng. Chem. Prod. Des. Dev.*, 1980, Vol. 19, p. 205.
399. Liu, D. P., Prausnitz, J. M., *J. Appl. Polymer Sci.*, 1979, Vol. 24, p. 725.
400. Gmehling, J., Liu, D. D., Prausnitz, J. M., *Chem. Eng. Sci.*, 1979, Vol. 34, p. 951.
401. Lee, K. H., Lombardo M., Sandler S. I., *Fluid Phase Equilibria*, 1985, Vol. 21, p. 177.
402. Vimalchand, P., Thomas, A., Ecovomou, I. G., Donohue, M. D., *Fluid Phase Equilibria*, 1992, Vol. 73, p. 39.
403. Sandler, S. I., *Fluid Phase Equilibria*, 1985, Vol. 19, p. 233.
404. Prigogine, I., *The Molecular Theory of Solutions*, North-Holland, Amsterdam, 1957.
405. Lin, H. M., Kim, H., Guo, T. M., Chao, K. S., *Fluid Phase Equilibria*, 1983, Vol. 13, p. 143.
406. Kim, H., Lin, H. M., Chao, K. C., *Ind. Eng. Chem. Fund.*, 1986, Vol. 25, p. 75.
407. Chen, C. H., Kreglewski, A., *Phys. Chem.*, 1977, Vol. 81, p. 1048.
408. Cotterman, R. L., Schwarta, B. J., Prausnitz, J. M., *AIChEJ*, 1986, Vol. 32, p. 1787.
409. Cotterman, R. L., Prausnitz, J. M., *AIChEJ*, 1986, Vol. 32, p. 1799.
410. Dimitrelis, D., Prausnitz, J. M., *Chem. Eng. Sci.*, 1990, Vol. 45, p. 1503.
411. Chapman, W. G., Gubbins, K. E., Jackson, G., Radosz, M., *Ind. Eng. Chem. Res.*, 1990, Vol. 29, p. 1709.
412. Huang, S. H., Radosz, M., *Ind. Eng. Chem. Res.*, 1990, Vol. 29, p. 2284.
413. Chapman, W. G., *J. Phys. Chem.*, 1990, Vol. 93, p. 4299.
414. Wertheim, M. S., *J. Stat. Phys.*, 1984, Vol. 35, p. 19.
415. Wertheim, M. S., *J. Stat. Phys.*, 1986, Vol. 42, p. 477.
416. Wertheim, M. S., *J. Chem. Phys.*, 1986, Vol. 85, p. 2929.
417. Fisher, M. E., *Critical Phenomena*, Lecture Notes in Physics, 1982, Vol. 186, p. 1.
418. *Phase Transitions: Cargese 1980*, Ed. by M. Levy, J. C. Le Guillou, and J. Zinn-Justin, Plenum, New York, 1981.
419. Anisimov, M. A., Rabinovich, V. A., Sychev, V. V., *Termodinamika kriticheskogo sostoyaniya individual'nykh veshchestv* (Thermodynamics of the Critical State of Individual Substances), Energoatomizdat, Moscow, 1990, p. 190.
420. Sengers, J. V., Critical Phenomena, *Proc. of the Int. School "Enrico Fermi"*, Course L. M. S. Green, Ed. AP. New York, 1971, p. 445.
421. Kiselev, S. B., *Obzory po teplofizicheskim svoistvam veshchestv*, Inst. Vysokikh Temperatur, Akad. Nauk SSSR, Moscow, 1989, No. 2 (76), p. 148.

422. Anisimov, M. A., Kiselev, S. B., Thermophysical properties of liquid and liquid solutions in critical region, *Sov. Tech. Rev. Ser. B. Term. Phys.*, Harwood Academic Publisher, New York. 1987, Vol. 1, p. 337.
423. Alibekov, B. G., Abdulagatov, I. M., *Obzory po teplofizicheskim svoistvam veshchestv*, Inst. Vysokikh Temperatur, Akad. Nauk SSSR, Moscow, 1988, No. 2 (70), p. 109.
424. Anisimov, M. A., Kiselev, S. B., Sengers, J. V., Tang, S., *Physica A.*, 1992, Vol. 188, p. 487.
425. Sengers, J. V., *Supercritical Fluids: Fundamentals for Application*, Ed. by E. Kiran and J. M. H. Levelt-Sengers, Dordrecht, Kluwer, 1994, Vol. 273, p. 231.
426. Kadanoff, L. P., *Physica*, 1966, Vol. 2, p. 263.
427. Potashinskii, A. Z., Pokrovskii, V. L., *Zh. Eksp. Teor. Fiz.*, 1966, Vol. 50, No. 2, p. 439.
428. Migdal, A. A., *Zh. Eksp. Teor. Fiz.*, 1968, Vol. 55, No. 5, p. 1964.
429. Polyakov, A. M., *Zh. Eksp. Teor. Fiz.*, 1986, Vol. 55, No. 3, p. 1026.
430. Wilson, K. G., *Phys. Rev.*, 1971, Vol. 4, No. 9, p. 3174.
431. Wilson, K., Kogut, J., *The Renormalization Group and the ϵ -Expansion*, Wiley, New York, 1974.
432. Ma, S., *Modern Theory of Critical Phenomena*, Reading, Benjamin, Mass., 1976.
433. Potashinskii, A. Z., Pokrovskii, V. L., *Fluktuatsionnaya teoriya fazovykh perekhodov* (Fluctuational Theory of Phase Transitions), Nauka, Moscow, 1982, p. 381.
434. Fisher, M. E., *The Nature of Critical Points*, Boulder, University of Colorado Press, Colo., 1965.
435. Anisimov, M. A., Voronel', A. V., Gorodetskii, E. E., *Zh. Eksp. Teor. Fiz.*, 1971, Vol. 60, No. 3, p. 1117.
436. Anisimov, M. A., Berestov, A. T., Kiselev, S. B., *Zh. Eksp. Teor. Fiz.*, 1982, Vol. 82, No. 4, p. 1147.
437. Potashinskii, A. Z., Pokrovskii, V. L., Khokhlachev, S. B., *Zh. Eksp. Teor. Fiz.*, 1972, Vol. 63, No. 4, p. 1521.
438. Povodyrev, A. A., *Ph. Dr. Thesis*, Inst. of High Temperatures, Moscow, 1995.
439. Fisher, M. E., *Phys. Rev.*, 1968, Vol. 176, No. 1, p. 257.
440. Kiselev, S. B., *Ph. Dr. Thesis*, Inst. of High Temperatures, Moscow, 1989.
441. Fakhretdinov, I. A., Chalyi, A. V., *Izv. Vyssh. Uchebn. Zaved., Fiz.*, 1976, No. 1, p. 35.
442. Barantsev, V. G., Kuz'min, V. D., *Fizika zhidkogo sostoyaniya* (Physics of Liquid State), Vysshaya Shkola, Kiev, KGU, 1977, p. 32.
443. Thompson, C. J., *J. Math. Phys.*, 1966, Vol. 7, No. 3, p. 531.
444. Mikulinskii, M. A., *Usp. Fiz. Nauk*, 1973, Vol. 110, No. 2, p. 213.
445. Gorodetskii, E. E., Mikulinskii, M. A., *Zh. Eksp. Teor. Fiz.*, 1974, Vol. 66, No. 3, p. 986.
446. Leung, S. S., Griffiths, R. S., *Phys. Rev. A*, 1973, Vol. 8, No. 5, p. 2670.
447. Moldover, M. R., Gallagher, J. S., *AIChEJ*, 1978, Vol. 24, No. 2, p. 267.
448. Levelt-Sengers, J. M. H., *Pure and Appl. Chem.*, 1983, Vol. 55, No. 3, p. 437.
449. Levelt-Sengers, J. M. H., Morrison, G., Chang, R. F., *Fluid Phase Equilibria*, 1983, Vol. 14, p. 19.
450. Chang, R. F., Levelt-Sengers, J. M. H., *J. Phys. Chem.*, 1986, Vol. 21, p. 5421.
451. Sengers, J. V., Levelt-Sengers, J. M. H., *Ann. Rev. Chem.*, 1986, Vol. 37, p. 189.
452. Onuki, A. J., *Low Temp. Phys.*, 1985, Vol. 61, No. 1/2, p. 101.
453. Rainwater, J. C., Williamsonson, F. R., *Int. J. Thermophysics*, 1986, Vol. 7, No. 1, p. 65.
454. D'Arrigo, G., Mistura, L., Tartaglia, P., *Phys. Rev. A*, 1975, Vol. 12, No. 6, p. 2587.
455. Chang, R. F., Doiron, T., *Int. J. Thermophysics*, 1983, Vol. 4, No. 4, p. 337.
456. Chang, R. F., Levelt-Sengers, J. M. H., Doiron, T., Jones, J., *J. Chem. Phys.*, 1983, Vol. 79, No. 6, p. 3058.
457. Kukarin, V. F., Kuskova, N. V., Martynets, V. G., Matizen, E. V., *Inzh.-Fiz. Zh.*, 1986, Vol. 50, No. 1, p. 71.
458. Kiselev, S. B., Povodyrev, A. A., *Teplofiz. Vys. Temp.*, 1997 (in press).
459. Povodyrev, A. A., Kiselev, S. B., Anisimov, M. A., *Int. J. Thermophys.*, 1993, Vol. 14, No. 6, p. 1187.
460. Matsche, D. E., Thodos, J., *J. Chem. Eng. Data*, 1962, Vol. 7, p. 232.
461. Bagnuls, C., Bervilier, C., *J. de Phys. Lett.*, 1984, Vol. 45, No. 3, p. 95.
462. Bagnuls, C., Bervilier, C., *Phys. Rev. B*, 1985, Vol. 31, No. 11, p. 7209.
463. Bagnuls, C., Bervilier, C., Neiron, D. I., Nickel, B. G., *Phys. Rev. B*, 1987, Vol. 35, No. 7, p. 3585.
464. Bagnuls, C., Bervilier, C., Garrabos, Y., *J. de Phys. Lett.*, 1984, Vol. 45, No. 3, p. 127.
465. Kiselev, S. B., *Teplofiz. Vys. Temp.*, 1989, Vol. 29, No. 1, p. 187.
466. Kiselev, S. B., Kostukova, I. G., Povodyrev, A. A., *Int. J. Thermophysics*, 1991, Vol. 12, No. 5, p. 877.
467. Kiselev, S. B., Sengers, J. V., *Int. J. Thermophys.*, 1993, Vol. 14, No. 1, p. 1.
468. Nicoll, J. F., Albright, P. C., *Phys. Rev. B*, 1985, Vol. 31, No. 7, p. 4576.

350 REFERENCES

469. Wegner, F. J., *Phys. Rev. B*, 1972, Vol. 5, No. 12, p. 4529.
470. Anisimov, M. A., Kiselev, S. B., Kostukova, I. G., *Int. J. Thermophys.*, 1985, Vol. 6, No. 5, p. 465.
471. Anisimov, M. A., Kiselev, S. B., Kostyukova, I. G., *Teplofiz. Vys. Temp.*, 1987, Vol. 25, No. 1, p. 31.
472. Anisimov, M. A., Kiselev, S. B., Kostyukova, I. G., *Teplofizicheskie svoistva veshchestv i materialov* (Thermophysical Properties of Substances and Materials), Izd. Standartov, Moscow, 1989, Vol. 27, p. 6.
473. Nicoll, J. F., *Phys. Rev. A*, 1981, Vol. 24, No. 4, p. 2203.
474. Nicoll, J. F., Bhattacharjee, J. K., *Phys. Rev. B*, 1981, Vol. 23, No. 4, p. 389.
475. Bruce, A. D., Wallace, D. J., *J. Phys. A*, 1976, Vol. 9, No. 7, p. 1117.
476. Nelson, D. R., *Phys. Rev. B*, 1975, Vol. 11, p. 3504.
477. Nelson, D. R., Domany, E., *Phys. Rev. B*, 1976, Vol. 13, p. 236.
478. Chen, Z. Y., Albright, P. C., Sengers, J. V., *Phys. Rev. A*, 1990, Vol. 41, p. 3161.
479. Chen, Z. Y., Abbaci, A., Tang, S., Sengers, J. V., *Phys. Rev. A*, 1990, Vol. 42, p. 4470.
480. Tang, S., Sengers, J. V., Chen, Z. Y., *Phys. A*, 1991, Vol. 179, p. 344.
481. Ley-Koo, M., Green, M. S., *Phys. Rev. A*, 1981, Vol. 23, No. 5, p. 2650.
482. Neuwman, K. E., Riedel, E. K., *Phys. Rev. B*, 1984, Vol. 30, p. 6615.
483. Luettmer-Strathmann, J., Tang, S., Sengers, J. V., *Fluid Phase Equilibria*, 1992, Vol. 75, p. 39.
484. Abdulagatov, I. M., Polikchronidi, N. G., Batyrova, R. G., Dokl. Ross. Akad. Nauk, 1994, Vol. 336, No. 2, p. 202.
485. Liu, A. J., Fisher, M. E., *Physica A*, 1989, Vol. 156, p. 35.
486. Levelt-Sengers, J. M. H., Kamgar-Parsi, B., Balfour, F. W., Sengers, J. V., *J. Phys. Chem., Ref. Data*, 1983, Vol. 12, p. 1.
487. van Pelt, A., Sengers, J. V., *J. of Supercritical Fluids*, 1995, Vol. 8, p. 81.
488. Tang, S., Jin, G. X., Sengers, J. V., *Int. J. Thermophys.*, 1991, Vol. 12, No. 3, p. 515.
489. Tang, S., Sengers, J. V., *J. of Supercritical Fluids*, 1991, Vol. 4, p. 209.
490. Luettmer-Strathmann, J., Tang, S., Sengers, J. V., *J. Chem. Phys.*, 1992, Vol. 97, p. 2705.
491. Bischoff, J. L., Rosenbauer, R. J., *Geochimica et Cosmochimica Acta*, 1988, Vol. 52, p. 2121.
492. Marshall, W. L., Jones, E. V., *J. Inorg. Nucl. Chem.*, 1974, Vol. 36, p. 2313.
493. Sourirajan, S., Kennedy, G. C., *Amer. J. of Science*, 1962, Vol. 260, p. 115.
494. öLander, A., Liander, H., *Acta. Chem. Scand.*, 1950, Vol. 4, p. 1437.
495. Scröer, E. Z., *Phys. Chem.*, 1927, Vol. 129, p. 79.
496. Rosenbauer, R. J., Bischoff, J. L., *Geochimica et Cosmochimica Acta*, 1987, Vol. 51, p. 2349.
497. Khaibullin, K. H., Borisov, N. M., *Teplofiz. Vys. Temp.*, 1966, Vol. 4, p. 518.
498. Khaibullin, K. H., *Tables of Thermodynamic Relationships of Gas and Vapours. Liquid-Vapour Solutions of the NaCl+H₂O System*, Standards Press, Moscow, 1980, p. 80.
499. Urusova, M. A., *Russian J. Inorg. Chem.*, 1975, Vol. 20, p. 1717.
500. Urusova, M. A., *Russian J. Inorg. Chem.*, 1974, Vol. 19, p. 450.
501. Bischoff, J. L., Rosenbauer, R. J., *Geochimica et Cosmochimica Acta*, 1986, Vol. 50, p. 1437.
502. Tkachenko, S. J., *5th Symp. on Solubility Phenomena*, Inst. Inorg. Chem. of the RAN, Moscow, 1992, p. 52.
503. Tkachenko, S. I., Shmulovich, K. I., *Dokl. Ross. Akad. Nauk*, 1992, Vol. 326, No. 6, p. 1055.
504. Oakes, C. S., Bodnar, R. J., Simonson, J. M., Pitzer, K. S., *Int. J. Thermophys.*, 1995, Vol. 16, No. 2, p. 483.
505. Pitzer, K. S., Tanger, J. S., *Chem. Phys. Lett.*, 1989, Vol. 156, p. 418.
506. Pitzer, K. S., Bischoff, J. L., Rosenbauer, R., *J. Chem. Phys. Lett.*, 1981, Vol. 134, p. 60.
507. Pitzer, K. S., *Acc. Chem. Res.*, 1990, Vol. 23, p. 333.
508. Belyakov, M. Y., Kiselev, S. B., *Physica A*, 1992, Vol. 190, p. 75.
509. Wilson, K. G., Kogut, J., *Phys. Rev.*, 1974, Vol. 12, p. 75.
510. Brezin, E., Guillou Le, J. C., Zinn-Justin, J., *Phase Transitions and Critical Phenomena*, C. Domb and M. S. Green, Eds., New York, 1976, Vol. 6, p. 125.
511. Rudnic, J., Neslon, D. R., *Phys. Rev. B*, 1976, Vol. 13, p. 2208.
512. Bagnuls, C., Berviller, C., *Phys. Lett. A*, 1986, Vol. 115, p. 84.
513. Patel, M. R., Holste, J. C., Hall, K. R., Eubank, P. T., *Fluid Phase Equilibria*, 1987, Vol. 36, p. 279.
514. Vukalovich, M. P., Trakhtengert, M. S., Spiridonov, G. A., *Teploenergetika*, 1967, Vol. 14, p. 65.
515. Hill, P. G., MacMillan, R. O., *Ind. Eng. Chem. Res.*, 1988, Vol. 27, p. 874.
516. Douslin, D. R., Harrison, R. H., Moore, R. T., McCullough, J. P., *J. Chem. Eng. Data*, 1964, Vol. 9, p. 358.
517. Al-Bizreh, N., Wormald, C. J., *J. Chem. Thermodinamics*, 1978, Vol. 10, p. 231.