
REFERENCES

1. Perelman, T. L., In: *Teplo- i massoperenos* (Heat and Mass Transfer), Minsk, Nauka i Tekhnika Press, Vol. 5, 1963 (in Russian).
2. Motulevich, V. P., In: *Fizicheskaya gazodinamika, teploobmen i termodinamika gazov vysokikh temperatur* (Physical Gas Dynamics, Heat Transfer and Thermodynamics of High-Temperature Gases), Moscow, AN SSSR Press, 1962 (in Russian).
3. Chernyi, G. G., Izv. AN SSSR. *Mekhanika i mashinostroyeniye*, No. 12, 1954 (in Russian).
4. Tirsky, G. A., *Prikl. Mat. Mekh.*, Vol. 25, No. 2, 1961 (in Russian).
5. Galkin, V. S., Kogan, M. N., Fridlender, O. G., Izv. AN SSSR, *Mekh. Zhidk. Gaza*, No. 3, 1970 (in Russian).
6. Anisimov, S. I., Rakhmatulina, A. Kh., *Zh. Eksp. Teor. Fiz.*, Vol. 64, No. 3, 1973 (in Russian).
7. Ferziger, J. H., Kaper, H. G., *Mathematical Theory of Transport Processes in Gases*, Amsterdam – London, North-Holland Publishing Company, 1972.
8. Shidlovskiy, V. P., *Vvedeniye v dinamiku razrezhennogo gaza* (Introduction to Rarefied Gas Dynamics), Moscow, Nauka Press, 1965 (in Russian).
9. Kogan, M. N., *Dinamika razrezhennogo gaza* (Rarefied Gas Dynamics), Moscow, Nauka Press, 1967 (in Russian).
10. Silin, V. P., *Vvedeniye v kineticheskuyu teoriyu gazov* (Introduction to Kinetic Theory of Gases), Moscow, Nauka Press, 1971 (in Russian).
11. Zhdanov, V. M., Alievskiy, M. Ya., *Protsessy perenosa i relaksatsii v molekularnykh gazakh* (Transport and Relaxation Processes in Molecular Gases), Moscow, Nauka Press, 1989 (in Russian).
12. Sturinskij, V. V., *Aerodinamika i molekularnaya gazovaya dinamika* (Aerodynamics and Molecular Gas Dynamics), Moscow, Nauka Press, 1985 (in Russian).
13. Grad, H., *Comm. Pure and Appl. Math.*, Vol. 2, No. 4, 1949.
14. Luikov, A. V., *Teplomassoobmen. Spravochnik* (Heat and Mass Transfer. Reference Book), Moscow, Energiya Press, 1972 (in Russian).
15. Sturinskij, V. V., *Rarefied Gas Dynamics*, Vol. 1, VI Intern. Symposium, Cambridge, 1968.
16. Kolodner, I., *Moment Description of Gas Mixtures – I. NYO-7980*, Inst. of Math. Sciences, New York Univ., 1957.
17. Leitsina, V. G., Pavlyukevich, N. V., *J. Engng. Physics*, Vol. 12, No. 3, 1967.
18. Skala, S. M., Vidale, G. L., *Int. J. Heat Mass Transfer*, Vol. 1, No. 1, 1960.
19. Bishayev, A. M., Rykov, V. A., *Zh. Vychisl. Mat. Mat. Fiz.*, Vol. 18, No. 3, 1978 (in Russian).

20. Wilke, C. R., *J. Chem. Phys.*, Vol. 18, No. 4, 1950.
21. Tirsiky, G. A., *Zh. Vychisl. Mat. Mat. Fiz.*, Vol. 1, No. 5, 1961 (in Russian).
22. Kucherov, R. Ya., *Zh. Tekh. Fiz.*, Vol. 27, No. 9, 1957 (in Russian).
23. Zhdanov, V. M., *Zh. Tekh. Fiz.*, Vol. 37, No. 1, 1967 (in Russian).
24. Zhdanov, V., Kagan Yu., Sazykin, A., *Zh. Eksp. Teor. Fiz.*, Vol. 42, No. 3, 1962 (in Russian).
25. Street, R. E., In: *Rarefied Gas Dynamics*, Proceedings of the First Int. Symposium, Pergamon Press, London – Oxford – New York – Paris, 1960.
26. Kucherov, R. Ya., Rikenglaz, L. E., *Zh. Eksp. Teor. Fiz.*, Vol. 37, No. 1(7), 1959 (in Russian).
27. Muratova, T. M., Labuntsov, D. A., *Teplofiz. Vysok. Temp.*, Vol. 7, No. 5, 1969 (in Russian).
28. Kogan, M. N., Makashev, N. K., *Izv. AN SSSR, Mekh. Zhidk. Gaza*, No. 6, 1971 (in Russian).
29. Makashev, N. K., *Uch. Zapiski TsAGI*, Vol. 3, No. 6, 1972 (in Russian).
30. Makashev, N. K., *Uch. Zapiski TsAGI*, Vol. 5, No. 3, 1974 (in Russian).
31. Young-Ping Pao, *Phys. Fluids*, Vol. 14, No. 7, 1971.
32. Muratova, T. M., *Author's Abstract of Cand. Thesis*, Moscow, 1970 (in Russian).
33. Masahide Murakami, Koichu Oshima, *Rarefied Gas Dynamics*, Vol. 2, IX Inter. Symposium, Göttingen, 1974.
34. Labuntsov, D. A., In: *Parozhidkostnye potoki* (Vapor-Liquid Flows), Minsk, ITMO AN BSSR Press, 1977 (in Russian).
35. Ytrehus, T., In: *Rarefied Gas Dynamics*, Edited by J. L. Potter, AIAA, New York, 1977, Pt. II.
36. Cercignani, C., Frezzotti, A., *Theoretical and Applied Mechanics*, Vol. 19, No. 3, Sofia, 1988.
37. Sone, Y., Aoki, K., Sugimoto, H., Yamada, T., *Theoretical and Applied Mechanics*, Vol. 19, No. 3, Sofia, 1988.
38. Abramov, A. A., Kogan, M. N., *Proceedings of IX All-Union Conference on Rarefied Gas Dynamics*, Sverdlovsk, UGU Press, Vol. II, 1988.
39. Sedov, L. I., *Mekhanika sploshnoi sredy* (Mechanics of Continuous Medium), Vol. 1, Moscow, Nauka Press, 1970 (in Russian).
40. Vil'yam, F. A., *Teoriya goreniya* (Combustion Theory), Moscow, Nauka Press, 1971 (in Russian).
41. Gogosov, V. V., Naletova, V. A., Chyong Za Bin, Shaposhnikova, G. A., *Dokl. AN SSSR*, Vol. 268, No. 3, 1983 (in Russian).
42. Ovchinnikov, A. A., Timashev, S. F., Belyi, A. A., *Kinetika diffuzionno-kontroliruyemykh khimicheskikh protsessov* (Kinetics of Diffusion-Controlled Chemical Processes), Moscow, Khimiya Press, 1986 (in Russian).
43. Bashkirov, A. G., In: *Molekulyarnaya gazodinamika* (Molecular Gas Dynamics), Moscow, Nauka Press, 1982 (in Russian).
44. Sparrow, E. M., Beavers, G. S., Hung, L. Y., *Phys. Fluids*, Vol. 14, No. 7, 1971.
45. Isachenko, V. P., *Teploobmen pri kondensatsii* (Condensation Heat Transfer), Moscow, Energiya Press, 1977 (in Russian).
46. Ivanovskiy, M. N., Sorokin, V. P., Subbotin, V. I., *Ispareniye i kondensatsiya metallov* (Evaporation and Condensation of Metals), Moscow, Atomizdat Press, 1976 (in Russian).
47. Borishanskiy, V. M., Kutateladze, S. S., Novikov, I. I., Fedynskiy, O. S., *Zhidkometallicheskiye teplonositeli* (Liquid-Metal Heat-Transfer Agents), Moscow, Atomizdat Press, 1967 (in Russian).
48. Sukhatme, S. P., Rohsenow, W. M., Transactions of the ASME, Series C, *J. of Heat Transfer*, Vol. 88, No. 1, 1966.
49. Labuntsov, D. A., Smirnov, S. I., *Proc. 3rd Int. Heat Transfer Conf.*, Vol. 2, 1966.
50. Minkowycz, W. I., Sparrow, E. M., *Int. J. Heat Mass Transfer*, Vol. 9, No. 10, 1966.
51. Pavlyukevich, N. V., Leitsina, V. G., Gorelik, G. E., *J. Engng. Physics*, Vol. 16, No. 4, 1969.
52. Nakoryakov, V. Ye., In: *Chislennyye metody resheniya zadach perenos* (Numerical Methods for Solving Transfer Problems), Proceedings of the International School-Seminar, Pt. II, Minsk, ITMO AN BSSR Press, 1979 (in Russian).
53. Kucherov, R. Ya., Rikenglaz, L. E., *Dokl. AN SSSR*, Vol. 133, No. 5, 1960 (in Russian).
54. Bhatnagar, P. L., Gross, E. P., Krook, M., *Phys. Rev.*, Vol. 94, No. 3, 1954.
55. Stakarov, Ye. M., *Metod issledovaniya dvizheniya razrezhennogo gaza* (Method of Studying the Rarefied Gas Motion), Moscow, Nauka Press, 1974 (in Russian).
56. Holway, L. H., *Phys. Fluids*, Vol. 9, No. 9, 1966.

57. Walker, E. L., Tanenbaum, B. S., *Phys. Fluids*, Vol. 11, No. 9, 1968.
58. Hamel, B. B., *Phys. Fluids*, Vol. 8, No. 3, 1965.
59. Morse, T. F., *Phys. Fluids*, Vol. 7, No. 12, 1964.
60. McCormack, F. J., *Phys. Fluids*, Vol. 16, No. 12, 1973.
61. Sone, Y., Yamamoto, K., *Phys. Fluids*, Vol. 11, No. 8, 1968.
62. Abramowitz, M., *J. Math. and Phys.*, Vol. 32, p. 188, 1953.
63. Makashev, N. K., *Uch. Zapiski TsAGI*, Vol. 1, No. 5, 1970 (in Russian).
64. Cercignani, C., Sernagiotto, F., *Phys. Fluids*, Vol. 9, No. 1, 1966.
65. Cercignani, C., Paganini, C. D., *Phys. Fluids*, Vol. 9, No. 6, 1966.
66. Cercignani, C., *Mathematical Methods in Kinetic Theory*, Macmillan, Milan, 1969.
67. Ferziger, J. H., *Phys. Fluids*, Vol. 10, No. 7, 1967.
68. Leitsina, V. G., Pavlyukevich, N. V., Perelman, T. L., Rudin, G. I., *J. Engng. Physics*, Vol. 29, No. 2, 1975.
69. *Handbook of Mathematical Functions*, Edited by Abramowitz M. and Stegun I. A., Dover Publications Inc., New York, 1965.
70. Martynenko, O. G., Pavlyukevich, N. V., Rudin, G. I., *Drying Technology*, No. 1, 1983-84.
71. Chernyak, V. G., Kalinin, V. V., Suetin, P. E., *J. Engng. Physics*, Vol. 37, No. 1, 1979.
72. Sparrow, E. M., Haji-Sheikh, *Phys. Fluids*, Vol. 7, No. 8, 1964.
73. Kanki, T., Iuchi, S., Kosugi, Y., *J. Chem. Eng. Japan*, Vol. 9, No. 3, 1976.
74. Schlichting, H., *Grenzschicht-Theorie*, Verlag, Karlsruhe, 1965.
75. Leitsina, V. G., Pavlyukevich, N. V., Rudin, G. I., In: *Teplo-i massoobmen* (Heat and Mass Transfer), Vol. 5, Minsk, ITMO AN BSSR Press, 1976 (in Russian).
76. Pavlyukevich, N. V., *Some Problems of Kinetics of Transfer Processes with Allowance for Evaporation (Condensation) in Porous Bodies*, Minsk, Preprint of the Heat and Mass Transfer Institute of the BSSR Academy of Sciences, 1977 (in Russian).
77. Chernyak, V. G., Kalinin, V. V., Suetin, P. E., *Int. J. Heat Mass Transfer*, Vol. 27, No. 8, 1984.
78. Makashev, N. K., *Uch. Zapiski TsAGI*, Vol. 2, No. 3, 1971 (in Russian).
79. Lang, H., *Chem. Eng. Sci.*, Vol. 26, p. 2099, 1971.
80. Tsian Syuesen, *Fizicheskaya mehanika* (Physical Mechanics), Moscow, Mir Press, 1965 (in Russian).
81. Luikov, A. V., *Teoriya suszhi* (Drying Theory), Moscow, Energiya Press, 1968 (in Russian).
82. Zотов, S. N., Rabinovich, Ya. I., Churayev, N. V., *J. Engng. Physics*, Vol. 34, No. 6, 1978.
83. Levdansky, V. V., Pavlyukevich, N. V., *J. Engng. Physics*, Vol. 20, No. 6, 1971.
84. Gaidukov, M. N., Churayev, N. V., Yalamov, Yu. I., *Zh. Tekh. Fiz.*, Vol. 46, No. 10, 1976 (in Russian).
85. Gamayunov, N. I., Lankov, A. A., *J. Engng. Physics*, Vol. 49, No. 3, 1985.
86. Lebedev, P. D., *Sushka infrakrasnymi luchami* (Drying by Infrared Rays), Moscow, Gosenergoizdat Press, 1955 (in Russian).
87. Struminskii, V. V., *Prikl. Mat. Mekh.*, Vol. 39, No. 1, 1975 (in Russian).
88. Churayev, N. V., Yershova, I. G., *Kolloid Zh.*, Vol. 33, No. 6, 1971 (in Russian).
89. Smolskiy, B. M., Lyubin, L. Ya., Novikov, P. A., Malenko, G. L., Svershchek, V. I., *J. Engng. Physics*, Vol. 25, No. 5, 1973.
90. Berman, A. S., *J. Appl. Phys.*, Vol. 24, p. 1232, 1953.
91. Leitsina, V. G., Pavlyukevich, N. V., Rudin, G. I., *Int. J. Heat Mass Transfer*, Vol. 21, No. 4, 1978.
92. Thiele, E. W., *Ind. Eng. Chem.*, Vol. 31, p. 916, 1939.
93. Zeldovich, Ya. B., *Zh. Fiz. Khim.*, Vol. 13, p. 163, 1939 (in Russian).
94. Wheeler, A. A., In: *Advances in Catalysis and Related Subjects*, Vol. III, New York, 1948-1952.
95. Rudin, G. I., In: *Nekotorye problemy teplo-i massoobmena* (Some Problems of Heat and Mass Transfer), Minsk, ITMO AN BSSR Press, 1978 (in Russian).
96. Shendalman, L. H., *AICHE Journal*, Vol. 14, No. 4, 1968.
97. Pollard, W. L., Present, R. D., *Phys. Rev.*, Vol. 73, No. 7, 1948.
98. Present, R. D., *Kinetic Theory of Gases*, McGraw-Hill, New York, 1958.
99. Abramov, A. A., *Izv. AN SSSR, Mekh. Zhidk. Gaza*, No. 2, 1986 (in Russian).
100. Abramov, A. A., *Izv. AN SSSR, Mekh. Zhidk. Gaza*, No. 2, 1985 (in Russian).
101. Anisimov, S. I., Imas, Ya. A., Romanov, G. S., Khodyko, Yu. V., *Deystviye izlucheniya bolshoy moshchnosti na metally* (Action of High-Power Radiation on Metals), Moscow, Nauka Press, 1970 (in Russian).

180 REFERENCES

102. Lyubov, B. Ya., Sobol, E. N., *Zh. Tekh. Fiz.*, Vol. 46, No. 7, 1976 (in Russian).
103. Gorelik, G. E., Lerman, A. S., Pavlyukevich, N. V., Perelman, T. L., In: *Voprosy kinetiki protsessov teplo- i massoobmena* (Kinetic Problems of Heat and Mass Transfer Processes), Minsk, ITMO AN BSSR Press, 1975 (in Russian).
104. Kislitsyn, A. A., Morar, A. V., *J. Engng. Physics*, Vol. 30, No. 3, 1976.
105. Baranov, M. S., Vershok, B. A., Geinrikhs, I. N., *Fiz. Khim. Obrab. Mater.*, No. 4, 1976 (in Russian).
106. Veiko, V. P., Libenson, M. N., *Lazernaya obrabotka* (Laser Treatment), Leningrad, Lenizdat Press, 1973 (in Russian).
107. Rykalin, N. N., Zuyev, I. V., Uglov, A. A., *Osnovy elektronnoluchevoy obrabotki materialov* (Principles of Electron-Beam Treatment of Materials), Moscow, Mashinostroyeniye Press, 1978 (in Russian).
108. Romanov, G. S., Suzdenkov, M. V., *Dokl. AN BSSR*, Vol. 26, No. 6, 1982 (in Russian).
109. Lyubov, B. Ya., *Teoriya kristallizatsii v bol'sikh obyomakh* (Theory of Crystallization in Large Volumes), Moscow, Nauka Press, 1975 (in Russian).
110. Limar, Ye. L., Svetsov, V. V., Shidlovskiy, V. P., *Zh. Vychisl. Mat. Mat. Fiz.*, Vol. 14, No. 1, 1974 (in Russian).
111. Stefanov, S. K., Radev, S. P., Pavlyukevich, N. V., *J. Engng. Physics*, Vol. 52, No. 6, 1987.
112. Belotserkovskiy, O. M., Yanitskiy, V. Ye., *Zh. Vychisl. Mat. Mat. Fiz.*, 1 – Vol. 15, No. 5, 1975, II – Vol. 15, No. 6, 1975 (in Russian).
113. Belotserkovskiy, O. M., Yerofeev, A. I., Yanitskiy, V. Ye., *Uspekhi Mekh.*, Vol. 5, No. 3/4, 1982 (in Russian).
114. Ivanov, M. S., Rogazinskiy, S. V., *Proceedings of IX All-Union Conference on Rarefied Gas Dynamics*, Sverdlovsk, UGU Press, Vol. 1, 1988 (in Russian).
115. Peracchio, A. A., *AIAA Journal*, Vol. 8, No. 11, 1970.
116. Myasnikov, V. P., *Izv. AN SSSR, Mekh. Zhidk. Gaza*, No. 4, 1967 (in Russian).
117. Levich, V. G., Myasnikov, V. P., *Prikl. Mat. Mekh.*, Vol. 30, No. 3, 1966 (in Russian).
118. Buyevich, Yu. A., *Prikl. Mat. Mekh.*, Vol. 33, No. 3, 1969 (in Russian).
119. Tsibarov, V. A., *Vestnik LGU, Ser. I., Mat. Mekh. Astr.*, No. 3, 1976 (in Russian).
120. Lunkin, Yu. P., Mymin, V. F., *Izv. AN SSSR, Mekh. Zhidk. Gaza*, No. 1, 1981 (in Russian).
121. Dubrovskiy, G. V., Kondratenko, A. V., Fedotov, V. A., *Izv. AN SSSR, Mekh. Zhidk. Gaza*, No. 1, 1983 (in Russian).
122. Struminskij, V. V., *Prikl. Mat. Mekh.*, Vol. 38, No. 2, 1974 (in Russian).
123. Struminskij, V. V., *Proceedings of VII All-Union Conference on Molecular Gas Dynamics and Rarefied Gas Dynamics*, Pt. I, Moscow, 1985 (in Russian).
124. Savchenko, Yu. N., In: *Molekul'arnaya gazodinamika* (Molecular Gas Dynamics), Moscow, Nauka Press, 1982 (in Russian).
125. Savchenko, Yu. N., *Proceedings of VII All-Union Conference on Molecular Gas Dynamics and Rarefied Gas Dynamics*, Pt. I, Moscow, 1985 (in Russian).
126. Kheifets, L. I., Neimark, A. V., *Mnogofaznye protsessy v poristykh sredakh* (Multiphase Processes in Porous Media), Moscow, Khimiya Press, 1982 (in Russian).
127. Lippert, E., Schneider, P., *Chem. Eng. Commun.*, Vol. 3, pp. 65–80, 1979.
128. Deryagin, B. V., Bakanov, S. P., *Dokl. AN SSSR*, Vol. 115, No. 2, 1957 (in Russian).
129. Mason, E. A., Malinauskas, A. P., *Gas Transport in Porous Media: the Dusty Gas Model*, Elsevier Science Publishers, B. V., 1983.
130. Deryagin, B. V., Bakanov, S. P., *Zh. Tekh. Fiz.*, Vol. 27, No. 3, 1957 (in Russian).
131. Abramov, A. A., Zhdanov, V. M., *Teor. Osnovy Khim. Tekhnol.*, Vol. 7, No. 3, 1973 (in Russian).
132. Levdansky, V. V., In: *Matematicheskiye i fizicheskiye voprosy teplo- i massoperenos* (Mathematical and Physical Problems of Heat and Mass Transfer), Minsk, ITMO AN BSSR Press, 1973 (in Russian).
133. Simelev, V. V., *Lektsii po teorii perenosa neutronov* (Lectures of the Theory of Neutron Transport), Moscow, Atomizdat Press, 1972 (in Russian).
134. Clausius, R., In: *Osnovateli kineticheskoy teorii materii* (Founders of Kinetic Theory of Matter), Moscow, ONTI Press, 1937 (in Russian).
135. Sparrow, E. M., Cess, R. D., *Radiation Heat Transfer*, Brooks/Cole Publishing Company, Belmont, 1970.
136. Luikov, A. V., Perelman, T. L., Levdansky, V. V., Leitsina, V. G., Pavlyukevich, N. V., *Int. J. Heat Mass Transfer*, Vol. 17, No. 9, 1974.

137. Livshits, A. I., Metter, I. M., Rikenglaz, L. E., *Zh. Tekh. Fiz.*, Vol. 16, No. 2, 1971 (in Russian).
138. Levdansky, V. V., Leitsina, V. G., Pavlyukevich, N. V., *J. Engng. Physics*, Vol. 28, No. 4, 1975.
139. Verhoff, F. H., Strieder, W. C., *Chem. Eng. Sci.*, Vol. 26, No. 2, 1971.
140. Levdansky, V. V., Leitsina, V. G., Pavlyukevich, N. V., *J. Engng. Physics*, Vol. 28, No. 2, 1975.
141. De Boer, J. H., *The Dynamical Character of Adsorption*, Oxford, Clarendon Press, 1953.
142. Gorelik, G. E., Levdansky, V. V., Leitsina, V. G., Pavlyukevich, N. V., *J. Engng. Physics*, Vol. 50, No. 6, 1986.
143. Pavlyukevich, N. V., *J. Engng. Physics*, Vol. 59, No. 4, 1990.
144. Guigo, E. I., Tsvetkov, Ts. D., *J. Engng. Physics*, Vol. 23, No. 5, 1972.
145. Nitsch, W., Jochem, E., *Vak.-Techn.*, Vol. 22, No. 3, 1973.
146. Levdansky, V. V., Leitsina, V. G., Pavlyukevich, N. V., *J. Engng. Physics*, Vol. 46, No. 6, 1984.
147. Martynenko, O. G., Leitsina, V. G., Levdansky, V. V., Pavlyukevich, N. V., *Drying Technology*, Vol. 3, No. 4, 1985.
148. Levdansky, V. V., Leitsina, V. G., Pavlyukevich, N. V., *Proceedings of VII All-Union Conference on Heat and Mass Transfer*, Minsk, ITMO AN BSSR Press, Vol. 7, 1984 (in Russian).
149. Pavlyukevich, N. V., In: *Matematicheskiye modeli, analiticheskiye i chislennyye metody v teorii perenosov* (Mathematical Models, Analytical and Numerical Methods in Transfer Theory), Minsk, ITMO AN BSSR Press, 1982 (in Russian).
150. Phillips, W. F., *Phys. Fluids*, Vol. 18, No. 9, 1975.
151. Belov, S. V., *Poristyye metally v mashinostroyeniye* (Porous Metals in Mechanical Engineering), Moscow, Mashinostroyeniye Press, 1981 (in Russian).
152. Yuriev, Yu. S., Vladimirova, L. I., Kamyshnaya, G. F., *Hydrodynamics in Heterogeneous Porous Medium. I. Specific Features of Motion Equation*, Preprint No. 1200 of the Institute of Physical Genetics, Obninsk, 1981.
153. Kraiko, A. N., Miller, L. G., Shirkovskiy, I. A., *Prikl. Mat. Tekh. Fiz.*, No. 1, 1982 (in Russian).
154. Kolos, V. N., Sorokin, V. N., *Dokl. AN BSSR*, Vol. 28, No. 8, 1984 (in Russian).
155. Goldshtik, M. A., *Protsessy perenosov v granulirovannom sloe* (Transfer Processes in a Granular Layer), Novosibirsk, ITF SO AN SSSR Press, 1984 (in Russian).
156. Leitsina, V., Levdansky, V., Pavlyukevich, N., *Theoretical and Applied Mechanics*, Sofia, Vol. 19, No. 3, 1988.
157. Levdansky, V. V., Leitsina, V. G., Pavlyukevich, N. V., *Proceedings of IX All-Union Conference on Rarefied Gas Dynamics*, Sverdlovsk, UGU Press, Vol. 1, 1988 (in Russian).
158. Asaeda, M., Yoneda, S., Toei R., *J. Chem. Eng. Japan*, Vol. 7, No. 2, 1974.
159. Fott, P., Petrini, G., *Appl. Catal.*, No. 2, 1982.
160. Fott, P., Petrini, G., Schneider, P., *Collection of Czech. Chem. Commun.*, Vol. 48, p. 215, 1983.
161. Neale, G. H., Nader, W. K., *AIChE Journal*, Vol. 20, No. 3, 1974.
162. Zick, A. A., Homsy, G. M., *J. Fluid Mech.*, Vol. 115, No. 1, 1982.
163. Mason, E. A., Malinauskas, A. P., Evans, R. B., *J. Chem. Phys.*, Vol. 46, No. 8, 1967.
164. Ivakin, B. A., Malakhin, V. M., Porodnov, B. T., Seleznev, V. D., *J. Engng. Physics*, Vol. 54, No. 5, 1988.
165. Clauising, P. J., *Vac. Sci. and Tech.*, Vol. 8, No. 5, 1971.
166. Lyubitov, Yu. N., *Uspekhi Fiz. Nauk*, Vol. 110, No. 4, 1976 (in Russian).
167. Lyubitov, Yu. N., *Raschyt vzaimodeystviya molekulyarnykh potokov s ograzhdushchimi ikh soshudami* (Prediction of the Interaction of Molecular Flows with Confining Vessels), Moscow, Nauka Press, 1962 (in Russian).
168. Ivanovskiy, A. I., *Trudy TsAO*, No. 56, 1964 (in Russian).
169. Rossman, M. G., Yarwood I., *Brit. J. Appl. Phys.*, Vol. 5, No. 7, 1954.
170. Sone, Y., *Journal de Mécanique Théorique et Appliquée*, Vol. 3, No. 2, 1984.
171. Sone, Y., *Journal de Mécanique Théorique et Appliquée*, Vol. 4, No. 1, 1985.
172. Fridlander, O. G., *Izv. AN SSSR, Mekh. Zhidk. Gaza*, No. 1, 1980 (in Russian).
173. Frenkel, Ya. I., *Collection of Selected Papers*, Moscow, Leningrad, AN SSSR Press, Vol. II, 1958 (in Russian).
174. Barantsev, R. G., *Vzaimodeystviye razrezhennykh gazov s obtekayemymi poverkhnostyami* (Interaction of Rarefied Gases with Streamlined Surfaces), Moscow, Nauka Press, 1975 (in Russian).

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175. Pyarpuu, A. A., *Vzaimodeystviye molekul gaza s poverkhnostyami* (Interaction of Gas Molecules with Surfaces), Moscow, Nauka Press, 1974 (in Russian).
176. Goodman, F. O., Wachman, H. Y., *Dynamics of Gas-Surface Scattering*, Acad. Press, New York, San Francisco, London, 1976.
177. Borman, V. D., Krylov, S. Yu., Prosyannov, A. V., *Zh. Eksp. Teor. Fiz.*, Vol. 94, No. 10, 1988 (in Russian).
178. Yefimov, A. A., Porodnov, B. T., Seleznev, V. D., Flyagin, A. G., *Proceedings of IX All-Union Conference on Rarefied Gas Dynamics*, Sverdlovsk, UGU Press, Vol. 2, 1988 (in Russian).
179. Dacey, R., *Ind. Eng. Chem.*, Vol. 57, No. 6, 1965.
180. Karlov, N. V., Prokhorov, A. M., *Uspekhi Fiz. Nauk*, Vol. 123, No. 1, 1977 (in Russian).
181. Gregg, S. J., Sing, K. S. W., *Adsorption, Surface Area and Porosity*, Acad. Press, London, New York, 1967.
182. Palatnik, L. S., Komnik, Yu. F., *Dokl. AN SSSR*, Vol. 134, No. 2, 1960 (in Russian).
183. Horiguchi, Y., Hudgins, R. R., Silveston, P. L., *Can. J. Chem. Eng.*, Vol. 49, p. 76, 1971.
184. Yang, R. T., Fenn, Y. B., Haller, G. L., *AIChE Journal*, Vol. 19, No. 5, 1973.
185. Flood, E. A., *Can. J. Chem.*, Vol. 33, p. 979, 1955.
186. Ponomarev, A. S., *Zh. Fiz. Khim.*, Vol. 49, No. 1, 1975 (in Russian).
187. Deryagin, B. V., Nerpin, S. V., Churayev, N. V., *Kolloid. Zh.*, Vol. 26, No. 3, 1964 (in Russian).
188. Churayev, N. V., *Fiziko-khimiya protsessov massoperenosu v poristykh telakh* (Physical-Chemistry of Mass Transfer Processes in Porous Bodies), Moscow, Khimiya Press, 1990 (in Russian).
189. Starov, V. M., Churayev, N. V., *J. Engng. Physics*, Vol. 29, No. 6, 1975.
190. Sears, G. W., *J. Chem. Phys.*, Vol. 22, No. 7, 1954.
191. Levadansky, V. V., Pavlyukevich, N. V., *Extended Abstracts of Papers Submitted to VII All-Union Conference on Colloidal Chemistry and Physical-Chemical Mechanics*, Sections A-D, Minsk, Nauka i Tekhnika Press, 1977 (in Russian).
192. Levadansky, V. V., In: *Nekotorye problemy teplo- i massoobmena* (Some Problems of Heat and Mass Transfer), Minsk, ITMO AN BSSR Press, 1978 (in Russian).
193. Buckley, M., *Philos. Mag.*, Vol. 17, p. 576, 1934.
194. Van Dyke, M., *Perturbation Methods in Fluid Mechanics*, Acad. Press, New York, London, 1964.
195. Martynenko, O. G., Levadansky, V. V., Pavlyukevich, N. V., *Drying'80: Proceedings of the Second Intern. Symposium*, Vol. 2, W.-New York - London: Hemisphere Publ. Corp., 1980.
196. Winterbottom, W. L., *J. Chem. Phys.*, Vol. 47, No. 9, 1967.
197. Bates, T. R., Forrester, A. T., *J. Appl. Phys.*, Vol. 38, No. 4, 1967.
198. Levadansky, V. V., Leitisina, V. G., Pavlyukevich, N. V., In: *Teplo- i massoperenos* (Heat and Mass Transfer), Vol. 8, Minsk, ITMO AN BSSR Press, 1972 (in Russian).
199. Levadansky, V. V., *J. Engng. Physics*, Vol. 31, No. 1, 1976.
200. Starobinets, G. G., Zhukhovitskiy, A. A., *Dokl. AN SSSR*, Vol. 178, p. 145, 1968 (in Russian).
201. Deryagin, B. V., Yershova, I. G., Churayev, N. V., In: *Poverkhnostnye sily v tonkikh plynkakh i dispersenykh sistemakh* (Surface Forces in Thin Films and Disperse Systems), Moscow, Nauka Press, 1972 (in Russian).
202. Deryagin, B. V., Shcherbakov, L. M., *Kolloid. Zh.*, Vol. 23, No. 1, 1961 (in Russian).
203. Sandry, T. D., Stevenson, F. D., *J. Chem. Phys.*, Vol. 53, No. 1, 1970.
204. Levadansky, V. V., Pavlyukevich, N. V., In: *Voprosy teorii protsessov perenosu* (Problems of the Theory of Transfer Processes), Minsk, ITMO AN BSSR Press, 1977 (in Russian).
205. Levadansky, V. V., *Extended Abstracts of Papers Submitted to the Conference of Young Scientists*, Minsk, ITMO AN BSSR Press, 1974 (in Russian).
206. Strickland-Constable, R. F., *Kinetics and Mechanism of Crystallization*, Acad. Press, London, New York, 1968.
207. Kennard, E. H., *Kinetic Theory of Gases*, McGraw-Hill, New York, London, 1938.
208. Levadansky, V. V., Pavlyukevich, N. V., In: *Voprosy kinetiki protessov teplo- i massoobmena* (Kinetic Problems of Heat and Mass Transfer Processes), Minsk, ITMO AN BSSR Press, 1975 (in Russian).
209. Levadansky, V. V., In: *Voprosy teorii protessov perenosu* (Problems of Transfer Processes Theory), Minsk, ITMO AN BSSR Press, 1977 (in Russian).
210. Levadansky, V. V., *J. Engng. Physics*, Vol. 43, No. 4, 1982.

211. Levdansky, V. V., In: *Teplomassoperenos. Processy i apparaty* (Heat and Mass Transfer. Processes and Apparatus), Minsk, ITMO AN BSSR Press, 1978 (in Russian).
212. Minachev, V. Ye., *Vakuumnyye kriomasosy* (Vacuum Cryopumps), Moscow, Energiya Press, 1976 (in Russian).
213. Frenkel, Ya. I., *Kineticheskaya teoriya zhidkostey* (Kinetic Theory of Liquids), Leningrad, Nauka Press, 1975 (in Russian).
214. Levdansky, V. V., *J. Engng. Physics*, Vol. 37, No. 4, 1979.
215. Levdansky, V. V., *High-Purity Substances*, No. 3, 1989.
216. Gelmukhanov, F. Kh., Shalagin, A. M., *Pis'ma v Zh. Eksp. Teor. Fiz.*, Vol. 29, No. 12, 1979 (in Russian).
217. Kalyazin, A. L., Sazonov, V. N., *Kvant. Elektron.*, Vol. 6, No. 8, 1979 (in Russian).
218. Dykhne, A. M., Starostin, A. N., *Zh. Eksp. Teor. Fiz.*, Vol. 79, No. 4, 1980 (in Russian).
219. George, T. F., Lin, J., Beri, A. C., Murphy, W. C., *Progress in Surface Science*, Vol. 16, pp. 139–273, 1984.
220. Kravchenko, V. A., Orlov, A. N., Petrov, Yu. N., Prokhorov, A. M., *Rezonansnyye geterogennyye protsessy v lazernom pole* (Resonance Heterogeneous Processes in Laser Field), Moscow, Nauka Press (Tr. IOFAN, Vol. 11), 1988 (in Russian).
221. Levdansky, V. V., Martynenko, O. G., *J. Engng. Physics*, Vol. 38, No. 3, 1980.
222. Levdansky, V. V., *Zh. Tekh. Fiz.*, Vol. 52, No. 4, 1982 (in Russian).
223. Levdansky, V. V., *Vestsi AN BSSR, Ser. Fiz.-Energ. Navuk*, No. 6, 1989 (in Russian).
224. Levdansky, V. V., *Evolvutsionnyye zadachi energoperenosova v neodnorodnykh sredakh* (Evolution Problems of Energy Transfer in Heterogeneous Media), Minsk, ITMO AN BSSR Press, 1982 (in Russian).
225. Levdansky, V. V., *Zh. Tekh. Fiz.*, Vol. 53, No. 4, 1983 (in Russian).
226. Martynenko, O. G., Levdansky, V. V., *Int. J. Heat Mass Transfer*, Vol. 27, No. 9, 1984.
227. Ghiner, A. V., Stockmann, M. I., Vaksman, M. A., *Physics Letters*, Vol. 96 A, No. 2, 1983.
228. Vaksman, M. A., Ghiner, A. V., *Zh. Eksp. Teor. Fiz.*, Vol. 89, No. 1 (7), 1985 (in Russian).
229. Hoogeveen, R. W. M., Spreeuw, R. J. C., Hermans, L. J. F., *Phys. Rev. Letters*, Vol. 59, No. 4, 1987.
230. Levdansky, V. V., Martynenko, O. G., *Heat Transfer – Soviet Research*, Vol. 19, No. 2, 1987.
231. Levdansky, V. V., In: *Energoperenos v konvektivnykh potokakh* (Energy Transfer in Convective Flows), Minsk, ITMO AN BSSR Press, 1985 (in Russian).
232. Carslaw, H. S., Jaeger, J. C., *Conduction of Heat in Solids*, Oxford, Clarendon Press, 1959.
233. Chekmareva, O. M., *Zh. Tekh. Fiz.*, No. 10, 1970 (in Russian).
234. Leibbenzon, L. S., *Izv. AN SSSR, Ser. Geograf. Geofiz.*, No. 6, 1939 (in Russian).
235. Volkov, V. N., Kuznetsova, Z. N., In: *Issledovaniya po teploprovodnosti* (Studies on Heat Conduction), Minsk, Nauka i Tekhnika Press, 1967 (in Russian).
236. Nikitenko, N. I., *Issledovaniye protsessov teplo- i massoobmena metodom setok* (Study of Heat and Mass Transfer by Grid Method), Kiev, Naukova Dumka Press, 1978 (in Russian).
237. Luikov, A. V., Mikhailov, Yu. A., *Teoriya perenosu energii v veshchestva* (Theory of Energy and Substance Transfer), Minsk, AN BSSR Press, 1959 (in Russian).
238. Luikov, A. V., Mikhailov, Yu. A., *Teoriya teplo- i massoperenosova* (Heat and Mass Transfer Theory), Moscow, Energoizdat Press, 1963 (in Russian).
239. Tsoi, P. V., In: *Stroitel'naya teplofizika* (Construction Thermophysics), Moscow, Leningrad, Energiya Press, 1966 (in Russian).
240. Cherpakov, P. V., In: *Teplo- i massoperenos* (Heat and Mass Transfer), Vol. 8, Minsk, Nauka i Tekhnika Press, 1968 (in Russian).
241. Smirnov, M. S., *J. Engng. Physics*, Vol. 9, No. 2, 1965.
242. Kazanskiy, V. M., Kavetskaya, T. L., Lutsyk, P. P., In: *Teplo- i massoperenos* (Heat and Mass Transfer), Vol. 6, Pt. I, Kiev, Naukova Dumka Press, 1968 (in Russian).
243. Gamayunov, N. I., In: *Teplo- i massoperenos* (Heat and Mass Transfer), Vol. 8, Minsk, Nauka i Tekhnika Press, 1968 (in Russian).
244. Mikhailov, M. D., *J. Engng. Physics*, Vol. 16, No. 2, 1969.
245. Aleksashenko, A. A., Aleksashenko, V. A., In: *Teplo- i massoperenos* (Heat and Mass Transfer), Vol. 8, Minsk, Nauka i Tekhnika Press, 1968 (in Russian).

246. Kumar, I. J., Gupta, L. N., In: *Teplomassobmen-V* (Heat and Mass Transfer-V), Vol. 5, Minsk, ITMO AN BSSR Press, 1976 (in Russian).
247. Toei, R., Hayashi, Sh., In: *Teplo- i massoperenos* (Heat and Mass Transfer), Vol. 5, Moscow, Lenigrad, Energiya Press, 1966 (in Russian).
248. Melamed, V. G., Medvedev, A. V., In: *Teplo- i massoperenos* (Heat and Mass Transfer), Vol. 8, Minsk, ITMO AN BSSR Press, 1972 (in Russian).
249. Melamed, V. G., In: *Teplo- i massoperenos* (Heat and Mass Transfer), Vol. 6, Minsk, Nauka i Tekhnika Press, 1966 (in Russian).
250. Melamed, V. G., *Teplo- i massoobmen v gornykh porodakh pri fazovykh perekhodakh* (Heat and Mass Transfer in Rocks Under Phase Changes), Moscow, Nauka Press, 1980 (in Russian).
251. Luikov, A. V., In: *Problema teplo- i massoperenos* (Problem of Heat and Mass Transfer), Minsk, Nauka i Tekhnika Press, 1976 (in Russian).
252. Tikhonov, A. N., Samarskiy, A. A., *Uravneniya matematicheskoy fiziki* (Equations of Mathematical Physics), Moscow, Nauka Press, 1966 (in Russian).
253. Luikov, A. V., Vasilyev, L. L., In: *Teplo- i massoobmen pri nizkikh temperaturakh* (Heat and Mass Transfer at Low Temperatures), Minsk, Nauka i Tekhnika Press, 1970 (in Russian).
254. Vasilyev, L. L., *Author's Abstract of Doct. Thesis*, Minsk, 1972 (in Russian).
255. Oblivin, A. N., *Author's Abstract of Doct. Thesis*, Moscow, 1976 (in Russian).
256. Ilyasov, S. G., Krasnikov, V. V., *Fizicheskiye osnovy infrakrasnogo obлучeniya pishchevykh produktov* (Physical Principles of IR Irradiation of Food Products), Moscow, Pishchevaya Promyshlennost' Press, 1978 (in Russian).
257. Kuts, P. S., Pikus, I. F., Kononenko, V. D., In: *Teplomassobmen-V* (Heat and Mass Transfer-V), Vol. 5, Minsk, ITMO AN BSSR Press, 1976 (in Russian).
258. Levitan, M. M., Perelman, T. L., Elperin, T. I., *J. Engng. Physics*, Vol. 30, No. 6, Vol. 31, No. 4, 1976.
259. Levitan, M. M., Shabunja, S. I., In: *Protsessy teplo- i massoobmena v elementakh termoopticheskikh ustroystv* (Heat and Mass Transfer Processes in the Elements of Thermooptical Devices), Minsk, ITMO AN BSSR Press, 1979 (in Russian).
260. Polyayev, V. M., Mayorov, V. A., Vasilyev, L. L., *Gidrodinamika i teploobmen v poristykh elementakh konstruktii letatelnykh apparatov* (Hydrodynamics and Heat Exchange in the Porous Elements of Aircraft Constructions), Moscow, Mashinostroyeniye Press, 1988 (in Russian).
261. Collins, R. E., *Flow of Fluids through Porous Materials*, Reinhold Publishing Corporation, New York, 1961.
262. Barenblatt, G. I., Yentov, V. M., Ryzhik, V. M., *Teoriya nestatsionarnoy filtratsii zhidkosti i gaza* (Theory of Non-Stationary Liquid and Gas Filtration), Moscow, Nedra Press, 1972 (in Russian).
263. Whitaker, S., *Heat and Mass Transfer in Granular Porous Media. Advances in Drying*, Vol. 1. Hemisphere Publishing Corporation, 1980.
264. Nigmatulin, R. I., *Osnovy mehaniki geterogennykh sred* (Principles of Mechanics of Heterogeneous Media), Moscow, Nauka Press, 1978 (in Russian).
265. Tayler, G., *Proc. Roy. Soc.*, Vol. A 219, p. 184, 1953.
266. Nikolayevskiy, V. N., Basniyev, K. S., Gorbunov, A. T., Zотов, G. A., *Mekhanika nasypyshchennykh poristykh sred* (Mechanics of Saturated Porous Media), Moscow, Nauka Press, 1970 (in Russian).
267. Starov, V. M., *Author's Abstract of Cand. Thesis*, Minsk, 1973 (in Russian).
268. Zeldovich, Ya. B., Kompaneets, A. S., In: *Collected Papers Dedicated to the 70-th Anniversary of Academician A. F. Ioffe*, Moscow, AN SSSR Press, 1950 (in Russian).
269. Reut, L. S., In: *Voprosy teorii teplo- i massoobmena* (Problems of Heat and Mass Transfer Theory), Minsk, ITMO AN BSSR Press, 1970 (in Russian).
270. Gessner, F. B., Seader, J. D., Ingram, R. J., Coultas, T. A., *Journal of Spacecraft and Rockets*, No. 6, 1964.
271. Polezhayev, Yu. V., Yurevich, F. B., *Teplovaya zashchita* (Thermal Protection), Moscow, Energiya Press, 1976 (in Russian).
272. Lebedev, D. P., Perelman, T. L., *Teplo- i massoobmen v protsessakh sublimatsii v vakuume* (Heat and Mass Transfer in Sublimation Processes in Vacuum), Moscow, Energiya Press, 1973 (in Russian).
273. Gorelik, G. E., Levdansky, V. V., Pavlyukevich, N. V., Shabunja, S. I., *J. Engng. Physics*, Vol. 33, No. 6, 1977.

274. Martynenko, O. G., Pavlyukevich, N. V., Romanov, G. S., Soloukhin, R. I., Shabunja, S. I., *Int. J. Heat Mass Transfer*, Vol. 31, No. 2, 1988.
275. Landau, L. D., Lifshits, Ye. M., *Gidrodinamika* (Hydrodynamics), Moscow, Nauka Press, 1986 (in Russian).
276. Levdansky, V. V., Leitsina, V. G., Martynenko, O. G., Pavlyukevich, N. V., In: *The Effect of Concentrated Energy Fluxes on Materials*, Moscow, Nauka Press, 1985 (in Russian).
277. Shabunja, S. I., Gusev, V. S., Martynenko, O. G., Moisejenko, L. G., Pavlyukevich, N. V., *Heat Transfer - Soviet Research*, Vol. 17, No. 3, 1985.
278. Kinoshita, I., Kamiuto, K., Hasegawa, S., *Proceedings of VII Int. Heat Transfer Conf.*, Vol. 2, München, 1982.
279. Alifanov, O. M., Gerasimov, B. P., Yelizarova, T. G., Zantsev, V. K., Chetverushkin, B. N., Shilnikov, Ye. V., *J. Engng. Physics*, Vol. 49, No. 5, 1985.
280. Tong, T. W., Tien, C. L., *Transactions of the ASME, Series C, J. of Heat Transfer*, Vol. 105, No. 1, 1983.
281. Bozhkov, N. A., Zantsev, V. K., Obruch, S. N., *J. Engng. Physics*, Vol. 59, No. 4, 1990.
282. Martynenko, O. G., Pavlyukevich, N. V., *Sixth Intern. Heat Transfer Conference*, Vol. 3, Toronto, 1978.
283. Luikov, A. V., *Teoriya teploprovodnosti* (Heat Conduction Theory), Moscow, Vysshaya Shkola Press, 1967 (in Russian).
284. Gorelik, G. E., Levdansky, V. V., Pavlyukevich, N. V., *Letters in Heat Mass Transfer*, Vol. 5, No. 2, 1978.
285. Bubnov, Yu. Z., Lurye, M. S., Staros, F. G., Filaretov, G. A., *Vakuumnoye naneseniye pylonok v kvazi-zamknutom obyome* (Vacuum Deposition of Films in Quasi-Closed Volume), Moscow, Sovetskoye Radio Press, 1975 (in Russian).
286. Toei, R., Okazaki, M., Asaeda, M., In: *Teplo- i massoperenos* (Heat and Mass Transfer), Vol. 9, Pt. 1, Minsk, ITMO AN BSSR Press, 1972 (in Russian).
287. Golovina, Ye. S., *Vysokotemperaturnoye goreniye i gazifikatsiya ugleroda* (High-Temperature Combustion and Gasification of Carbon), Moscow, Energoatomizdat Press, 1983 (in Russian).
288. Golovina, Ye. S., Chaplygina, V. S., Kotova, L. L., *Dokl. AN SSSR*, Vol. 187, No. 3, 1969 (in Russian).
289. Gorelik, G. E., Pavlyukevich, N. V., Perelman, T. L., *J. Engng. Physics*, Vol. 26, No. 2, 1974.
290. Geguzin, Ya. Ye., *Makroskopicheskiye defekty v metallakh* (Macroscopic Defects in Metals), Moscow, Metallurgizdat Press, 1962 (in Russian).
291. Tunitskiy, N. N., Kaminskiy, V. A., Timashev, S. F., *Metody fizicheskoy kinetiki* (Methods of Physical Kinetics), Moscow, Khimiya Press, 1972 (in Russian).
292. Ready, J. F., *Industrial Applications of Lasers*, Acad. Press, New York, San Francisco, London, 1978.
293. Vedenov, A. A., Gladush, T. G., *Fizicheskiye protsessy pri lazernoy obrabotke* (Physical Processes in Laser Treatment), Moscow, Energoatomizdat Press, 1985 (in Russian).
294. Prokhorov, A. M., Konov, V. I., Ursu, I., Mikhelesku, I. N., *Vzaimodeystviye lazernogo izlucheniya s metallami* (Interaction of Laser Radiation with Metals), Moscow, Nauka Press, 1988 (in Russian).
295. Rykalin, N. N., Uglow, A. A., Zuyev, I. V., Kokora, A. N., *Lazernaya i elektronmoluchevaya obrabotka materialov* (Laser and Electron-beam Treatment of Materials), Moscow, Mashinostroyeniye Press, 1985 (in Russian).
296. Kaganov, M. I., Lifshits, I. M., Tanatarov, L. V., *Zh. Eksp. Teor. Fiz.*, Vol. 31, No. 2, 1956 (in Russian).
297. Berger, M. I., *NBS Technical Note*, No. 187, 1963.
298. Akkerman, A. F., Trudskiy, M. Ya., Smirnov, V. V., *Vtorichnoye elektronnoye izlucheniye iz tryordykh tel pod deystviem gamma-kvantov* (Secondary Electron Radiation from Solids by the Action of Gamma-Quanta), Moscow, Energoatomizdat Press, 1986 (in Russian).
299. Spencer, L. V., *Phys. Rev.*, Vol. 98, No. 6, 1955.
300. Archard, G. D., *J. Appl. Phys.*, Vol. 32, p. 1505, 1961.
301. Zuyev, I. V., Rykalin, N. N., Uglow, A. A., *Fiz. Khim. Obrab. Mater.*, No. 4, 1970 (in Russian).
302. Gorelik, G. E., Lerman, A. S., Pavlyukevich, N. V., Perelman, T. L., *Fiz. Khim. Obrab. Mater.*, No. 6, 1974 (in Russian).
303. Dudek, H. J., *Optik*, Vol. 30, No. 5, 1970.
304. Gorelik, G. E., Lerman, A. S., Pavlyukevich, N. V., Perelman, T. L., Rozin, S. G., *Proceedings of the 5th International Heat Transfer Conference*, Tokio, pp. 161–164, 1974.

186 REFERENCES

305. Rudakov, L. I., *Fiz. Plazmy*, Vol. 4, No. 1, 1978 (in Russian).
306. Imasaki, K., Miyamoto, S., Higaki, S., *Phys. Rev. Lett.*, Vol. 43, No. 26, 1979.
307. Nardi, E., Zinamon, Z., *Phys. Rev. A*, Vol. 18, No. 3, 1978.
308. Boiko, V. I., Gorbachev, Ye. A., Yevstigneyev, V. V., *Fiz. Plazmy*, Vol. 9, No. 4, 1983 (in Russian).
309. Gorelik, G. E., Legovich, S. I., Rozin, S. G., *J. Engng. Physics*, Vol. 52, No. 6, 1987.
310. Yalovets, A. P., *Izv. VUZov, Fizika*, No. 4, 1986 (in Russian).
311. Roshal, A. S., *Modelirovaniye zaryazhennykh puchkov* (Modelling of Charged Beams), Moscow, Atomizdat Press, 1979 (in Russian).
312. Itin, V. I., Koval, N. N., Mesyats, G. A., Rotshtein, V. P., Chukhlantseva, I. S., *Fiz. Khim. Obrab. Mater.*, No. 6, 1984 (in Russian).
313. Uglow, A. A., Ivanov, Ye. M., Sanko, Yu. M., *Fiz. Khim. Obrab. Mater.*, No. 5, 1984 (in Russian).
314. Grigoryants, A. G., Safonov, A. N., Baldokhin, Yu. V., Tarasenko, B. M., *Fiz. Khim. Obrab. Mater.*, No. 6, 1984 (in Russian).
315. Geller, M. A., Gorelik, G. E., Parnas, A. L., *Fiz. Khim. Obrab. Mater.*, No. 2, 1991 (in Russian).
316. Machurin, Ye. S., Lonchin, G. M., Molin, B. P., Solovyov, Yu. P., *Fiz. Khim. Obrab. Mater.*, No. 2, 1987 (in Russian).
317. Gridnev, V. N., *Fizicheskiye osnovy elektrotermicheskogo uprochneniya stali* (Physical Principles of Electrothermal Hardening of Steel), Kiev, Naukova Dumka Press, 1973 (in Russian).
318. Popov, A. A., Popova, L. Ye., *Izotermicheskiye i termokinetichekiye diagrammy raspada pereokhlazdyonnogo austenita: Spravochnik termista* (Isothermal and Thermokinetic Diagrams of Dissociation of Supercooled Austenite: Reference Book of Thermist), Moscow, Metallurgiya Press, 1965 (in Russian).
319. Kokora, A. N., Sobol, E. N., *J. Engng. Physics*, Vol. 56, No. 4, 1989.
320. Arutyunyan, R. V., Baranov, V. Yu., Bolshov, L. A., Malyuta, D. D., Sebrant, A. Yu., *Vozdeystviye lazernogo izlucheniya na materialy* (Effect of Laser Radiation on Materials), Moscow, Nauka Press, 1989 (in Russian).
321. Gorelik, G. E., Pavlyukevich, N. V., Perelman, T. L., Rudin, G. I., *J. Engng. Physics*, Vol. 24, No. 3, 1973.
322. Lokhov, Yu. N., Rozhnov, G. V., Shvyrkova, I. I., *Fiz. Khim. Obrab. Mater.*, No. 3, 1972 (in Russian).
323. Love, A. E. H., *A Treatise on the Mathematical Theory of Elasticity*, Cambridge, University Press, 1927.
324. Kachanov, L. M., *Osnovy teorii plastichnosti* (Fundamentals of Theory of Plasticity), Moscow, GITTL Press, 1956 (in Russian).
325. Kosevich, A. M., Tanatarov, L. V., *Prikl. Mat. Mekh.*, Vol. 24, No. 5, 1960 (in Russian).
326. Kosevich, A. M., In: *Fizika kristallov s defektami* (Physics of Crystals with Defects), Vol. 2, Tbilisi, IFAN GSSR Press, 1966 (in Russian).
327. Gorelik, G. E., Pavlyukevich, N. V., Perelman, T. L., Rudin, G. I., In: *Matematicheskiye i fizicheskiye voprosy teplo- i massoobmena* (Mathematical and Physical Problems of Heat and Mass Transfer), Minsk, ITMO AN BSSR Press, 1973 (in Russian).
328. Lokhov, Yu. N., Uglow, A. A., Shvyrkova, I. I., *Prikl. Mat. Tekh. Fiz.*, No. 3, 1976 (in Russian).
329. Kuznetsov, V. D., *Fizika Tyvordogo Tela*, Vol. 2, Tomsk, Poligrafizdat Press, 1941 (in Russian).
330. Dulnev, G. N., Isipryan, R. A., Yaryshev, N. A., In: *Trudy LITMO*, No. 31, Leningrad, LITMO Press, 1966 (in Russian).
331. Gorelik, G. E., Pavlyukevich, N. V., In: *Protsessy teplo- i massoobmena v elementakh termoopticheskikh ustroystv* (Heat and Mass Transfer Processes in the Elements of Thermo-optical Devices), Minsk, ITMO AN BSSR Press, 1979 (in Russian).
332. Bonch-Bruevich, A. M., Imas, Ya. A., *Fiz. Khim. Obrab. Mater.*, No. 5, 1967 (in Russian).
333. Lyubov, B. Ya., Sobol, E. N., *J. Engng. Physics*, Vol. 45, No. 4, 1983.
334. Afanasiev, Yu. V., Krokin, O. N., *Zh. Eksp. Teor. Fiz.*, Vol. 52, No. 4, 1967 (in Russian).
335. Kondratiev, V. N., *Prikl. Mat. Tech. Fiz.*, No. 5, 1972 (in Russian).
336. Tong, L. S., *Boiling Heat Transfer and Two-Phase Flow*, John Wiley and Sons Inc., New York, London, Sydney, 1965.
337. Gorelik, G. E., Pavlyukevich, N. V., Lerman, A. S., Perelman, T. L., Rudin, G. I., *J. Engng. Physics*, Vol. 29, No. 4, 1975.
338. Scriven, L. E., *Chem. Eng. Sci.*, Vol. 10, No. 1, 1959.
339. Noskov, D. A., Pankovets, N. G., *Fiz. Khim. Obrab. Mater.*, No. 4, 1970 (in Russian).