

Рекомендована література.

Основна

1. A.I. Akhiezer and S.V. Peletinskii, Methods of Statistical Physics International Series in Natural Philosophy, 1981, vol. 104 (Oxford: Pergamon).
2. N.N. Bogoliubov Problems of a Dynamical Theory in Statistical Physics, 1959 (Providence, RI: Providence College); Боголюбов Н.Н. Избранные труды в трех томах. Том 2, — Киев: Наукова думка, 1970. — 523 с.
3. L.D. Landau, E.M. Lifshitz and L.P. Pitaevskii, Course of Theoretical Physics, vol 5, Statistical Physics, 1980 (Oxford: Pergamon).
4. L.D. Landau, E.M. Lifshitz and L.P. Pitaevskii, Course of Theoretical Physics, vol 9, Statistical Physics, 1981 (Oxford: Pergamon).
5. S.V. Peletinskii, Yu.V. Slyusarenko, On theory of long-wave nonequilibrium fluctuations, Physica, 1994, v. A 210, p.165-204.
6. С.В. Пелетинський, Ю.В. Слюсаренко, Стохастичне виведення рівнянь кінетики та гідродинаміки довгохвильових флуктуацій, УФЖ, 1994, т. 39, № 1, с.112-119.
7. S.V. Peletinskii, A.I. Sokolovsky, Yu.V. Slyusarenko, Kinetics and hydrodynamics of long-wave fluctuations under external random force, Physica, 2003, v. A 326, p.412-429.
8. O.Yu. Sliusarenko, A.V. Chechkin, Yu.V. Slyusarenko, The Bogolyubov-Born-Green-Kirkwood-Yvon hierarchy and Fokker-Planck equation for many-body dissipative randomly driven systems, J. Math. Phys., 2015, Vol. 56, 043302 (1-15).
9. O.Yu. Sliusarenko, Yu.V. Slyusarenko, Reduced description method in the kinetic theory of Brownian motion with active fluctuations, J. Phys. A: Math. Theor., 2019 v. 52 445001 (1-29).
10. S.V. Peletinskii, Yu.V. Slyusarenko, Second quantization method in the presence of bound states of particles, J. Math. Phys., 2005, v.46, p. 022301-022335.

Додаткова

11. Yu.V. Slyusarenko, O.Yu. Sliusarenko, Kinetic theory of weakly ionized dilute gas of hydrogen-like atoms of the first principles of quantum statistics and dispersion laws of eigenwaves, J. Math. Phys., 2017, Vol. 58, 113302 (1-28).
12. Yu.V. Slyusarenko, Collisionless mechanism of zero-point sound attenuation in a normal Fermi liquid, Low Temperature Physics 24, 219 (1998); <https://doi.org/10.1063/1.593588>.
13. Yu.V. Slyusarenko, Long-wave fluctuation kinetics and quasi-linear relaxation for zero-point sound in a normal Fermi liquid, Low Temperature Physics **24**, 393 (1998); <https://doi.org/10.1063/1.593607>.
14. Yu.V. Slyusarenko, A.G. Sotnikov, Green-function method in the theory of ultraslow electromagnetic waves in an ideal gas with Bose-Einstein condensates, Phys. Rev. A, 2008, Vol.78, No.5, DOI 053622(1-14).
15. Yu.V. Slyusarenko, A.G. Sotnikov, Role of temperature effects in the phenomenon of ultraslow electromagnetic pulses in Bose-Einstein condensates of alkali-metal atoms, Phys. Rev. A, 2009, Vol.80, No.5, DOI 0536604 (1-9).

- 16.Yu.V. Slyusarenko, A.G. Sotnikov, Propagation of relativistic charges particles in ultracold atomic gases with Bose-Einstein condensates, Phys. Rev. A, 2011, Vol.83, No.2, 023601 (5).
- 17.A.P. Ivashin, S.V. Peletminskii, Yu.V. Slyusarenko, Fermi-liquid approach for the description of the initial stage of fragmentation at heavy nuclei collisions, Ukr. J. Phys., 2007, v. 52, № 2, p. 128-141.