

List of publications in peer-reviewed journals and books.

1. M.Yu. Kagan, D.V. Efremov, M.S. Mar'enko, V.V. Val'kov, *Superconductivity in repulsive Fermi-systems at low density*, cond-mat arXiv:1111.3230, accepted for publication in Journal of Superconductivity and Novel Magnetism in 2011;
2. M.Yu. Kagan, D.V. Efremov, M.S. Marienko, V.V. Valkov, *Triplet p-wave superconductivity in low-density extended Hubbard model with repulsion*, JETP Letters **93**, 807 (2011);
3. K.V. Samokhin and M.S. Mar'enko, *Nonuniform mixed-parity superfluid state in dipolar Fermi gases*, Phys. Rev. Lett. **97**, 197003 (2006);
4. K.V. Samokhin and M.S. Mar'enko, *Quantum fluctuations in Larkin-Ovchinnikov-Fulde-Ferrell superconductors*, Phys. Rev. B **73**, 144502 (2006);
5. M.S. Mar'enko, C. Bourbonnais, and A.-M.S. Tremblay, *Effect of superconducting fluctuations on ultrasound in unconventional superconductor*, Phys. Rev. B **72**, 024508 (2005);
6. M.S. Mar'enko, C. Bourbonnais, and A.-M.S. Tremblay, *Superconducting fluctuation corrections to ultrasound attenuation in layered superconductors*, Phys. Rev. B **69**, 224503 (2004);
7. M.A. Baranov, M.S. Mar'enko, Val.S. Rychkov, and G.V. Shlyapnikov, *Superfluid pairing in a polarized Fermi gas*, Phys. Rev. A **66**, 013606 (2002);
8. M.S. Mar'enko, D.V. Efremov, A.V. Ozharovskii, M.A. Baranov, and M.Yu. Kagan, *Superfluid triplet phases in two-dimensional Fermi system with repulsion*, J. Low Temp. Phys. **126**(1), 551 (2002);
9. M.S. Mar'enko, M.Yu. Kagan, D.V. Efremov and M.A. Baranov, *Superfluidity in 2D Fermi systems with repulsion*, in "Open Problems in Strongly Correlated Electron Systems", edited by Janez Bonca, Peter Prelovsek, Anton Ramsak, Sarben Sarkar, NATO Science Series, Kluwer Academic Publishers and IOS Press, Amsterdam (March 2001), ISBN 0-7923-6896-7;
10. M.A. Baranov, D.V. Efremov, M.S. Mar'enko and M.Yu. Kagan, *Superfluid transition temperature in a Fermi gas with repulsion. Higher orders of perturbation theory*, Sov. Phys. JETP **90**, 861 (2000) [Zh. Eksp. Teor. Fiz. **117**, 990 (2000)] (cond-mat/0007334);
11. D.V. Efremov, M.S. Mar'enko, M.A. Baranov and M.Yu. Kagan, *Critical temperature and phase diagram for 2D superfluid Fermi gas with repulsion*, Physica B **284-288**, 216 (2000);
12. D.V. Efremov, M.S. Mar'enko, M.A. Baranov and M.Yu. Kagan, *Superfluid critical temperature in 3D Fermi gas with repulsion*, Physica B **284-288**, 397 (2000);
13. M.Yu. Kagan, A.V. Chubukov, M.A. Baranov, D.V. Efremov and M.S. Mar'enko, *Superconductivity in correlated electron systems with repulsion*, J. Phys. Chem Solids **59**, 1828 (1998);
14. M.Yu. Kagan, M.A. Baranov, D.V. Efremov and M.S. Mar'enko, *Phase diagram for the superfluid Fermi gas in a strong magnetic field*, Czechoslovak Journal of Physics **46**, 209 (1996);
15. M.A. Baranov, M.Yu. Kagan and M.S. Mar'enko, *Singularity in the quasiparticle interaction function in 2D Fermi gas*, Czechoslovak Journal of Physics **46**, 2519 (1996);

16. M.Yu. Kagan, M.A. Baranov, D.V. Efremov, M.S. Mar'enko, P. Brussaard, Ch.G. van Weert and H.W. Capel, *Phase diagram for a superfluid Fermi gas in a strong magnetic field*, JETP Lett. **62**, 610 (1995) [Pis'ma Zh. Eksp. Teor. Fiz. **62**, 589 (1995)];
17. M.Yu. Kagan, M.A. Baranov, D.V. Efremov, M.S. Mar'enko and H.W. Capel, *Strong coupling corrections in a superfluid Fermi-gas with repulsion*, JETP Lett. **59**, 290 (1994) [Pis'ma Zh. Eksp. Teor. Fiz. **59**, 268 (1994)];
18. M.A. Baranov, M.Yu. Kagan and M.S. Mar'enko, *Singularity in the quasiparticle interaction function in 2D Fermi gas*, JETP Lett. **58**, 709 (1993) [Pis'ma Zh. Eksp. Teor. Fiz. **58**, 734 (1993)];