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Список основных публикаций сотрудников по теме диссертации в рецензируемых научных изданиях за последние 5 лет

1. Kozhberov A. Electrostatic energy and phonon properties of Yukawa crystals // Physical Review E. 2018. Vol.98. P. 063205.
2. Controllable spherical aggregation of monodisperse carbon nanodots / Dmitry A. Kurdyukov, Daniil A. Eurov, Maxim K. Rabchinskii et al. // Nanoscale, 2018, Vol. 10, No. 27, P. 13223–13235.
3. Colloids of detonation nanodiamond particles for advanced applications / A.V. Shvidchenko, E.D. Eidelman, A.Ya. Vul' et al. // Advances in Colloid and Interface Science, 2019, Vol. 268, P. 64–81.
4. Powder hybrid nanomaterial: Detonation nanodiamonds – Carbon nanotubes and its stable reversible water nanofluids / Aleksei A. Vozniakovskii, Tatyana S. Kol' tsova, Alexander P. Voznyakovskii et al. // Journal of Colloid and Interface Science, 2020, Vol. 565, P. 305–314.
5. Enabling valley selective exciton scattering in monolayer WSe_2 through upconversion / M. Manca, M.M. Glazov, C. Robert et al. // Nature Communications. 2017. Vol. 8. P. 14927.
6. Stabilization of detonation nanodiamonds hydrosol in physiological media with poly(vinylpyrrolidone) / Yu.V. Kulvelis, A.V. Shvidchenko, A.E. Aleksenskii et al. // Diamond and Related Materials. 2018. Vol. 87. P. 78–89.
7. Mantsevich V.N., Tarasenko S.A. Fluid photonic crystal from colloidal quantum dots Physical Review A. 2017. Vol. 96. No. 3. P. 033855.
8. Baiko D.A., Kozhberov A.A. Phonons in a magnetized Coulomb crystal of ions with polarizable electron background // Physics of Plasmas. 2017. Vol. 22. No. 9. P. 092903.
9. Electron in the field of flexural vibrations of a membrane: Quantum time, magnetic oscillations, and coherence breaking / I.V. Gornyi, A.P. Dmitriev, A.D. Mirlin, I.V. Protopopov // J. Exp. Theor. Phys. 2016. Vol. 123. P. 322.

10. Glazov M.M., Suris R.A. Exciton Condensation in a Two-Dimensional System with Disorder // Journal of Experimental and Theoretical Physics. 2018. Vol. 126. P. 833.
11. Colloquium: Excitons in atomically thin transition metal dichalcogenides / G. Wang, A. Chernikov, M.M. Glazov et al. // Reviews of Modern Physics. 2018. P. 021001.
12. Two-dimensional semiconductors in the regime of strong light-matter coupling / Christian Schneider, Mikhail M. Glazov, Tobias Korn et al. // Nature Communications, 2018, Vol. 9, No. 1.
13. Nonequilibrium spin noise in a quantum dot ensemble / D.S. Smirnov, Ph. Glasenapp, M. Bergen et al. // Physical Review B. 2017. Vol. 95. No. 24. P. 241408.
14. Two components of donor-acceptor recombination in compensated semiconductors: Analytical model of spectra in the presence of electrostatic fluctuations / N.A. Bogoslovskiy, P.V. Petrov, Yu.L. Ivanov et al. // Phys. Rev. B. 2018. Vol. 98. P. 075209.
15. Resonant supercollisions and electron-phonon heat transfer in graphene / K.S. Tikhonov, I.V. Gornyi, V.Yu. Kachorovskii, A.D. Mirlin // Phys. Rev. B. 2018. Vol. 97. P. 085415.