

Список публикаций ведущей организации **Федеральное государственное бюджетное образовательное учреждение высшего образования Санкт-Петербургский государственный университет** по теме диссертации Елисеева И. А. «Комбинационное рассеяние света и фотолюминесценция в двумерных и квазидвумерных структурах графена, дисульфида молибдена и нитридов металлов третьей группы» за последние 5 лет

1. B. F. Gribakin, E. S. Khramtsov, A. V. Trifonov, and I. V. Ignatiev, Exciton-exciton and exciton-charge carrier interaction and exciton collisional broadening in GaAs/AlGaAs quantum wells, *Phys. Rev. B* 104, 205302 (2021) <https://journals.aps.org/prb/abstract/10.1103/PhysRevB.104.205302>
2. A. S. Kurdyubov, A. V. Trifonov, I. Ya. Gerlovin, B. F. Gribakin, P. S. Grigoryev, A. V. Mikhailov, I. V. Ignatiev, Yu. P. Efimov, S. A. Eliseev, V. A. Lovtcius, M. Assmann, M. Bayer, A. V. Kavokin, Optical Control of a Dark Exciton Reservoir, *Phys. Rev. B* 104, 035414 (2021) <https://journals.aps.org/prb/abstract/10.1103/PhysRevB.104.035414>
3. D. R. Loginov, P. A. Belov, V. G. Davydov, I. Ya. Gerlovin, I. V. Ignatiev, A. V. Kavokin, and Y. Masumoto, Exciton-polariton interference controlled by electric field, *Phys. Rev. Research* 2, 033510 (2020) <https://journals.aps.org/prresearch/abstract/10.1103/PhysRevResearch.2.033510>
4. A.V. Trifonov, I.V. Ignatiev, K.V. Kavokin, A.V. Kavokin, P.Yu. Shapochkin, Yu.P. Efimov, S.A. Eliseev, V.A. Lovtcius, On the Suppression of Electron-Hole Exchange Interaction in a Reservoir of Nonradiative Excitons, *Semiconductors* 53, 1170 (2019) <https://link.springer.com/article/10.1134/S1063782619090239>
5. P. Yu. Shapochkin, S. A. Eliseev, V. A. Lovtcius, and Yu. P. Efimov, P. S. Grigoryev, E. S. Khramtsov, and I. V. Ignatiev, Excitonic probe for quantum-state engineering by MBE technology, *Phys. Rev. Applied* 12, 034034 (2019) <https://journals.aps.org/prapplied/abstract/10.1103/PhysRevApplied.12.034034>
6. E. S. Khramtsov, P. S. Grigoryev, D. K. Loginov, I. V. Ignatiev, Yu. P. Efimov, S. A. Eliseev, P. Yu. Shapochkin, E. L. Ivchenko, and M. Bayer, Exciton spectroscopy of optical reflection from wide quantum wells, *Phys. Rev. B* 99, 035431 (2019) <https://journals.aps.org/prb/abstract/10.1103/PhysRevB.99.035431>
7. A.V. Trifonov, E. S. Khramtsov, K. V. Kavokin, I. V. Ignatiev, A. V. Kavokin, Y. P. Efimov, S. A. Eliseev, P. Yu. Shapochkin, and M. Bayer, Nanosecond Spin Coherence Time of Nonradiative Excitons in GaAs/AlGaAs Quantum Wells, *Phys. Rev. Lett.* 122, 147401 (2019) <https://journals.aps.org/prl/abstract/10.1103/PhysRevLett.122.147401>
8. S. A. Dyakov, I. M. Fradkin, N. A. Gippius, L. Klompmaker, F. Spitzer, E. Yalcin, I. A. Akimov, M. Bayer, D. A. Yavsin, S. I. Pavlov, A. B. Pevtsov, S. Y. Verbin, and S. G. Tikhodeev, Wide-band enhancement of the transverse magneto-optical Kerr effect in magnetite-based plasmonic crystals, *Phys. Rev. B* 100, 214411 (2019) <https://journals.aps.org/prb/abstract/10.1103/PhysRevB.100.214411>
9. S. I. Pavlov, A. B. Pevtsov, S. A. Dyakov, D. A. Yavsin, F. Spitzer, I. Akimov, S. Y. Verbin, S. G. Tikhodeev, N. A. Gippius, A. V. Nashchekin, and M. Bayer, Transverse magneto-optical Kerr effect in magnetoplasmonic waveguide structures based on Fe<sub>3</sub>O<sub>4</sub>, *J. Phys.: Conf. Ser.* 1400, 066014 (2019) <https://iopscience.iop.org/article/10.1088/1742-6596/1400/6/066014>
10. P. S. Sokolov, M. Y. Petrov, K. V. Kavokin, M. S. Kuznetsova, S. Y. Verbin, I. Y. Gerlovin, D. R. Yakovlev, M. Bayer, Subsecond nuclear spin dynamics in n-GaAs, *Physical Review B* 99, 075307 (2019) <https://journals.aps.org/prb/abstract/10.1103/PhysRevB.99.075307>
11. S. A. Dyakov, F. Spitzer, I. Akimov, D. A. Yavsin, S. I. Pavlov, S. Y. Verbin, S. G. Tikhodeev, N. A. Gippius, A. B. Pevtsov, M. Bayer, Transverse Magneto-Optical Kerr Effect in Magnetite Covered by Array of Gold Nanostripes, *Semiconductors* 52, 1857 (2018) <https://link.springer.com/article/10.1134/S1063782618140099>
12. P. S. Sokolov, M. Y. Petrov, K. V. Kavokin, A. S. Kurdyubov, M. S. Kuznetsova, R. V. Cherbunin, S. Y. Verbin, N. K. Poletaev, D. R. Yakovlev, D. Suter, M. Bayer, Nuclear spin cooling by helicity-alternated optical pumping at weak magnetic fields in n-GaAs, *Physical*

Review B 96, 205205 (2017)

<https://journals.aps.org/prb/abstract/10.1103/PhysRevB.96.205205>

13. M. S. Kuznetsova, R. V. Cherbunin, I. Ya. Gerlovin, I. V. Ignatiev, S. Yu. Verbin, D. R. Yakovlev, D. Reuter, A. D. Wieck, M. Bayer, Spin dynamics of quadrupole nuclei in InGaAs quantum dots, Physical Review B 95, 155312 (2017)

<https://journals.aps.org/prb/abstract/10.1103/PhysRevB.95.155312>