

Список публикаций оппонента.

д. ф.-м.н., Фирсов Дмитрий Анатольевич,

213 работ по версии Scopus. Основные работы близкие к теме диссертации:

1. Makhov I. S., Budkin G. V., Graf S. V., & Firsov D. A. Current induced drag of photons in GaAs/AlGaAs quantum wells //Micro and Nanostructures. – 2022. – С. 207288.
2. Melentev G. A., Kostromin N. A., Vinnichenko M. Y., Firsov D. A., & Sarkisyan H. A. Electron heating in GaN/AlGaN quantum well in a longitudinal electric field //Journal of Physics: Conference Series. – IOP Publishing, 2022. – Т. 2227. – №. 1. – С. 012011.
3. Babichev A. V., Pashnev D. A., Gladyshev A. G., Denisov D. V., Voznyuk G. V., Karachinsky L. Ya., Novikov I. I., Mitrofanov M. I., Evtikhiev V. P., Firsov D. A., Vorob'ev L. E., Pikhtin N. A. & Egorov A. Yu. Quantum-Cascade Lasers with a Distributed Bragg Reflector Formed by Ion-Beam Etching //Technical Physics Letters. – 2020. – Т. 46. – №. 4. – С. 312-315.
4. Makhov I. S., Panevin V. Y., Firsov D. A., Vorobjev L. E., Vasil'ev A. P., & Maleev N. A. Terahertz photoluminescence of the donor doped GaAs/AlGaAs quantum wells controlled by the near-infrared stimulated emission //Journal of Luminescence. – 2019. – Т. 210. – С. 352-357.
5. Vinnichenko M. Y., Makhov I. S., Panevin V. Y., Vorobjev L. E., Sorokin S. V., Sedova I. V., & Firsov D. A. Acceptor-related infrared optical absorption in GaAs/AlGaAs quantum wells //Physica E: Low-dimensional Systems and Nanostructures. – 2020. – Т. 124. – С. 114301.
6. Firsov D. A., Makhov I. S., Panevin V. Y., Vinnichenko M. Y., Vorobjev L. E., Vasil'ev A. P., & Maleev N. A. Enhance of impurity related terahertz emission in optically pumped GaAs/AlGaAs quantum well structures //2018 43rd International Conference on Infrared, Millimeter, and Terahertz Waves (IRMMW-THz). – IEEE, 2018. – С. 1-2.
7. M.Ya.Vinnichenko, I.S.Makhov, R.V.Ustimenko, T.A.Sargsian, H.A.Sarkisyan, D.B.Hayrapetyan, D.A.Firsov. Doping effect on the light absorption and photoluminescence of Ge/Si quantum dots in the infrared spectral range. Micro and Nanostructures 169, 207339 (2022).
8. Vinnichenko M. Y., Makhov I. S., Kharin N. Y., Graf S. V., Panevin V. Y., Sedova I. V., Firsov D. A. et al. Photoconductivity and Infrared-Light Absorption in p-GaAs/AlGaAs Quantum Wells //Semiconductors. – 2021. – Т. 55. – №. 9. – С. 710-716.
9. Ustimenko R. V., Vinnichenko M. Y., Pashnev D. A., Hayrapetyan D. B., & Firsov D. A. Determination of sign during phase correction of sign-variable modulation spectra of intersubband light absorption in GaAs/AlGaAs quantum wells //Journal of Physics: Conference Series. – IOP Publishing, 2019. – Т. 1236. – №. 1. – С. 012021.
10. Makhov I. S., Panevin V. Y., Firsov D. A., Vorobjev L. E., & Klimko G. V. Impurity-assisted terahertz photoluminescence in compensated quantum wells //Journal of Applied Physics. – 2019. – Т. 126. – №. 17. – С. 175702.