

Список наиболее значимых публикаций по гос. контракту:

1. A.N. Sofronov, L.E. Vorobjev, D.A. Firsov, V.A. Shalygin, V.Yu. Panevin, **G.A. Melentyev**, A.E. Zhukov and S.N. Danilov

Acceptor resonant states in p-type GaAs/AlGaAs narrow quantum wells

Proceedings of the 18th International Symposium "Nanostructures: Physics and Technology". St. Petersburg, Russia, June 21 – 26, 2010. P. 85 – 86.

2. D.A.Firsov, V.A.Shalygin, V.Yu.Panevin, **G.A.Melentyev**, A.N.Sofronov, M.Ya.Vinnichenko, L.E.Vorobjev, A.V.Andrianov, A.O.Zakharyin, V.S.Mikhrin, A.P.Vasil'ev, A.E.Zhukov, L.V.Gavrilenko, V.I.Gavrilenko, A.V.Antonov, V.Ya.Aleshkin.

Manifestation of resonant impurity states in terahertz photoconductivity of GaAs/AlGaAs quantum wells.

Proceedings of the 18th International Symposium "Nanostructures: Physics and Technology", St.Petersburg, Russia, June 21–26, 2010. P. 71–72.

3. V.A. Shalygin, L.E. Vorobjev, D.A. Firsov, A.N. Sofronov, **G.A. Melentyev**, W.V. Lundin, A.E. Nikolaev, A.V. Sakharov, A.F. Tsatsulnikov

Terahertz radiation emission by hot electrons from AlGaN/GaN heterostructure

Acta Physica Polonica A, 2011. Vol. 119. No. 2. P. 241 – 243.

4. V.A. Shalygin, L.E. Vorobjev, D.A. Firsov, A.N. Sofronov, **G.A. Melentyev**, W.V. Lundin, A.E. Nikolaev, A.V. Sakharov, A.F. Tsatsulnikov

Blackbody-like emission of terahertz radiation from AlGaN/GaN heterostructure under electron heating in lateral electric field

Journal of Applied Physics, 2011. Vol. 109. No. 7. P. 073108-1 – 073108-6.