

Список основных публикаций ведущей организации по теме диссертации в рецензируемых научных изданиях за последние 5 лет:

1. Ikonnikov A. V., Chernichkin V. I., Akopian D.A., Dudin V. S , Dolzhenko D. E., Nikorici A. V., Ryabova L. I. Fourier-Transform spectroscopy of the Persistent Photoconductivity in PbSnTe(In) Films at Low Temperatures // Low Temperature Physics. – 2019. – Т. 45. – №. 2. – С. 141-145. <https://doi.org/10.1063/1.5086398>
2. Molodtsov I. S., Raspopov N. A., Lobintsov A. V., Danilov A. I., Krysa A. B., Zasavitskii I. I. Quantum cascade laser with bound-to-quasi-continuum optical transitions at a temperature of up to 371 K // Quantum Electronics. – 2020. – Т. 50. – №. 8. – С. 710. <https://doi.org/10.1070/QEL17317>
3. Frolov M. P., Korostelin Y. V., Kozlovsky V. I., Leonov S. O., Skasyrsky, Y.K., Tunable in the range of 4.5-6.8 μm room temperature single-crystal Fe: CdTe laser pumped by Fe: ZnSe laser // Optics Express. – 2020. – Т. 28. – №. 12. – С. 17449-17456. <https://doi.org/10.1364/OE.394889>
4. Kuntsevich A. Y., Minkov G.M., Sherstobitov A. A., Tupikov Y. V., Mikhailov N. N., Dvoretzky S. A. Density of states measurements for the heavy subband of holes in HgTe quantum wells // Physical Review B. – 2020. – Т. 101. – №. 8. – С. 085301. <https://doi.org/10.1103/PhysRevB.101.085301>
5. Kuntsevich A. Y., Tupikov E., Dvoretzky S. A., Mikhailov N. N., Reznikov M. Magnetic Susceptibility Measurements in hgte Quantum Wells in a Perpendicular Magnetic Field // JETP Letters. – 2020. – Т. 111. – №. 11. – С. 633-638. <https://doi.org/10.1134/S0021364020110041>
6. Savinov S. A., Nagaraja K. K., Mityagin Y. A., Danilov P. A., Kudryashov S. I., Ionin A. A., Kazakov I. P., Tsekhoosh V. I., Khmel'nitsky R. A., Egorkin V. I., Telenkov M.P. Investigation of GaAsBi epitaxial layers for THz emitters pumped by long-wavelength fiber lasers // Optical Materials. – 2020. – Т. 101. – С. 109716. <https://doi.org/10.1016/j.optmat.2020.109716>
7. Fjodorow P., Frolov M. P., Korostelin Y. V., Kozlovsky V. I., Schulz C., Leonov S. O., Skasyrsky Y. K. Room-temperature Fe:ZnSe laser tunable in the spectral range of 3.7-5.3 μm applied for intracavity absorption spectroscopy of CO₂ isotopes, CO and N₂O // Optics Express. – 2021. – Т. 29. – №. 8. – С. 12033-12048. <https://doi.org/10.1364/OE.422926>
8. Mityagin Y., Telenkov M. P., Bulygina I. A., Kumar R., Nagaraja K. K. Intersubband energy relaxation in quantum well structures in a quantizing magnetic field // Physica E:

Low-dimensional Systems and Nanostructures. – 2022. – T. 142. – C. 115288.

<https://doi.org/10.1016/j.physe.2022.115288>

9. Butaev M. R. O., Skasyrsky Y. K., Kozlovsky V. I., Andreev A. Y., Yarotskaya I. V., Marmalyuk A. A. Semiconductor disk laser with a wavelength of 780 nm based on a MOCVD-grown $\text{Al}_x\text{Ga}_{1-x}\text{As}/\text{Al}_y\text{Ga}_{1-y}\text{As}$ heterostructure with optical and electron beam pumping // Quantum Electronics. – 2022. – T. 52. – №. 4. – C. 362.

<https://doi.org/10.1070/QEL18017>

10. Butaev M. R. O., Kozlovsky V. I., Skasyrsky Y. K. Semiconductor laser based on a CdS/ZnSe heterostructure with longitudinal optical pumping by a laser diode // Quantum Electronics. – 2022. – T. 52. – №. 4. – C. 359.

<https://doi.org/10.1070/QEL18016>