

Список публикаций Тимура Сезгировича Шамирзаева:

1. Shamirzaev T. S. et al. Spin dynamics of charged excitons in ultrathin (In, Al)(Sb, As)/AlAs and Al (Sb, As)/AlAs quantum wells with an indirect band gap //Physical Review B. – 2022. – Т. 106. – №. 7. – С. 075407.
2. Ivanov V. Y. et al. Optically detected magnetic resonance of indirect excitons in an ensemble of (In, Al, Ga) As/(Al, Ga) As quantum dots //Physical Review B. – 2021. – Т. 104. – №. 19. – С. 195306.
3. Shamirzaev T. S. et al. Dynamic polarization of electron spins in indirect band gap (In, Al) As/AlAs quantum dots in a weak magnetic field: Experiment and theory //Physical Review B. – 2021. – Т. 104. – №. 11. – С. 115405.
4. Shamirzaev T. S. et al. Exciton recombination and spin relaxation in strong magnetic fields in ultrathin (In, Al) As/AlAs quantum wells with indirect band gap and type-I band alignment //Physical Review B. – 2021. – Т. 104. – №. 4. – С. 045305.
5. Kuznetsova M. S. et al. Electron-nuclei interaction in the X valley of (In, Al) As/AlAs quantum dots //Physical Review B. – 2020. – Т. 101. – №. 7. – С. 075412.
6. Rautert J. et al. Anisotropic exchange splitting of excitons affected by Γ X mixing in (In, Al) As/AlAs quantum dots: Microphotoluminescence and macrophotoluminescence measurements //Physical Review B. – 2019. – Т. 100. – №. 20. – С. 205303.
7. Rautert J. et al. Optical orientation and alignment of excitons in direct and indirect band gap (In, Al) As/AlAs quantum dots with type-I band alignment //Physical Review B. – 2019. – Т. 99. – №. 19. – С. 195411.
8. Abramkin D. S., Shamirzaev T. S. Type-I Indirect-Gap Semiconductor Heterostructures on (110) Substrates //Semiconductors. – 2019. – Т. 53. – №. 5. – С. 703-710.
9. Abramkin D. S. et al. Heterostructures with InAs/AlAs Quantum Wells and Quantum Dots Grown on GaAs/Si Hybrid Substrates //Semiconductors. – 2018. – Т. 52. – №. 11. – С. 1484-1490.
10. Shamirzaev T. S. Exciton recombination and spin dynamics in indirect-gap quantum wells and quantum dots //Physics of the Solid State. – 2018. – Т. 60. – №. 8. – С. 1554-1567.
11. Ivanov V. Y. et al. Optically detected magnetic resonance of photoexcited electrons in (In, Al) As/AlAs quantum dots with indirect band gap and type-I band alignment //Physical Review B. – 2018. – Т. 97. – №. 24. – С. 245306.
12. Abramkin D. S. et al. Influence of a Low-Temperature GaAs Dislocation Filter on the Perfection of GaAs/Si Layers //Optoelectronics, Instrumentation and Data Processing. – 2018. – Т. 54. – №. 2. – С. 181-186.