

Controlled Synthesis of Tuned Bandgap Nanodimensional Alloys of $\text{PbS}_x\text{Se}_{1-x}$

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Carrier dynamics between delocalized and localized states in type-II GaAsSb/GaAs quantum wells

M. Baranowski, M. Syperek, R. Kudrawiec, J. Misiewicz, J. A. Gupta, X. Wu, and R. Wang

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Contactless electroreflectance, photoluminescence and time-resolved photoluminescence of GaInNAs quantum wells obtained by the MBE method with N-irradiation

M. Baranowski, R. Kudrawiec, M. Syperek, J. Misiewicz, H. Zhao, M. Sadeghi and S. M. Wang

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Model of hopping excitons in GaInNAs: simulations of sharp lines in micro-photoluminescence spectra and their dependence on the excitation power and temperature

M. Baranowski, M. Latkowska, R. Kudrawiec and J. Misiewicz

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Hopping excitons in GaInNAs – simulations of micro- and macrophotoluminescence spectra

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Effect of annealing and Nd concentration on the photoluminescence of Nd^{3+} ions coupled with silicon nanoparticles

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The surface boundary conditions in GaN/AlGaIn/GaN transistor heterostructures

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Above GaSb barrier in type II quantum well structures for mid-infrared emission detected by Fourier-transformed modulated reflectivity

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