

Exciton-phonon spectra in CuIn/sub 1-x/Ga/sub x/S/sub 2/ crystals

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Abstract

In this work, the wavelength derivative reflection (WDR) spectra of CuIn/sub 1-x/Ga/sub x/S/sub 2/ crystals have been investigated in the region of A, B and C series. The n=1, n=2 and n=3 states are determined and contours of exciton lines (n=1) are calculated. The parameters of excitons and bands have been determined for the region of band gap minimum.

References

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