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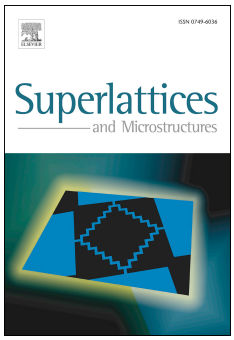

LO-phonon-assisted cyclotron resonance in a special asymmetric hyperbolic-type quantum well

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- LO-phonon-assisted cyclotron resonance in SAsH quantum well is studied.
- The threshold energy decreases non-linearly with the a-parameter but increases with the magnetic field.
- The resonant peaks caused by the emission phonon process are observed significantly.
- MOAC and FWHM are significantly affected by a-parameter, temperature, and magnetic field.