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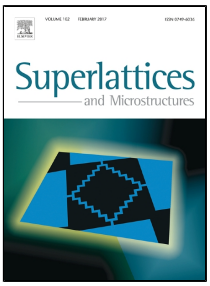

Excitonic localization at macrostep edges in AlGaN/AlGaN multiple quantum wells

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Highlights:

The origins of the double peaks for AlGaN multiple quantum wells (MQWs) are investigated.

Quantum wires (QWRs) structures are observed along the macrostep edges.

The lateral advance rate of macrostep is obtained.

The optical properties of QWs and QWRs are studied.