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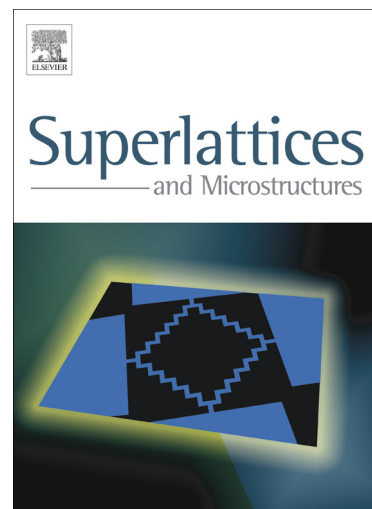
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Highlights

- Highly crystalline GaSe thin film was synthesized by electrochemical deposition.
- It has a hexagonal structure with preferential orientation along (004) plane.
- EDS showed that the prepared film has high purity.
- The barrier height of the diode is temperature dependent.
- This diode can be used as efficient temperature sensor.

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