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### Photonic crystal structures based on GaN ultrathin membranes

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### Journal of Nanoelectronics and Optoelectronics

Vol. 9, / 2014 / ISSN 1555-130X

Disponibil online 21 March, 2018. Descarcări-0. Vizualizări-786

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### The impact of nanoporation on persistent photoconductivity and optical quenching effects in suspended GaN nanomembranes

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### Applied Physics Letters

Vol. 103, / 2013 / ISSN 0003-6951 / ISSNe 1077-3118

Disponibil online 22 March, 2018. Descarcări-0. Vizualizări-779

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Institutul de Dezvoltare a Societății Informaționale.

Actualizat: 01.07.2024, accesat: 01.07.2024

Disponibil: <https://ibn.idsi.md>

