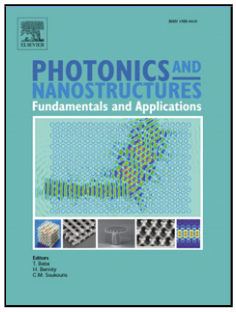

Title: Bulk-like-phonon polaritons in one-dimensional photonic superlattices

Author: H.A. Gómez-Urrea C.A. Duque M.E. Mora-Ramos

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Highlights

- The optical and photonics properties of 1D photonics crystals are studied.
- The 1D photonic crystal is made of alternating layers of air and wurtzite AlN.
- The band structure of the frequency spectrum is obtained.
- Density of states and transmittance associated to both the TM and TE modes are calculated.