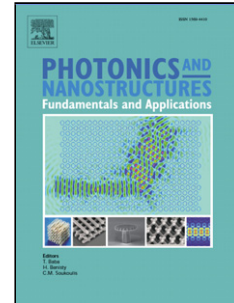


## Accepted Manuscript

Title: Light Propagation in Ultra-thin Gap in 3D Photonic Crystals

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- We investigate introducing an ultra-thin gap into 3D photonic crystals as optical distribution.
- Light propagation along ultra-thin gap introduced into a 3D photonic crystal has experimentally demonstrated.
- Property of an ultra-thin gap is numerically revealed.
- Corroboration between experimental and analytical findings shows validity.

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