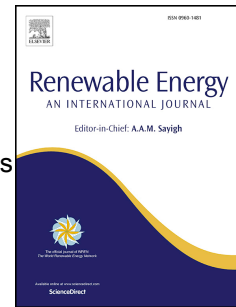


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Performance Assessment of a Photonic Radiative Cooling System for Office Buildings

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Highlights:

- A system integrating the use of a novel photonic radiative cooler is evaluated
- The proposed system performance is compared with three reference systems
- Whole building energy simulation is used for the analysis
- The photonic radiative cooler has significant daytime cooling potential
- An economic analysis is made to estimate the radiative cooler's maximum cost

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