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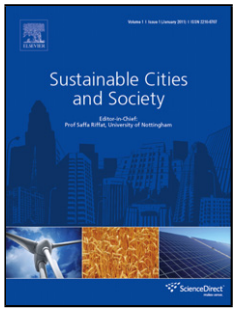

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Simulative optimization on energy saving performance of phase change panels with different phase transition temperatures

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Highlights:

- $CaCl_2 \cdot 6H_2O$-$Mg(NO_3)_2 \cdot 6H_2O$/EG is integrated into the room for year-round energy management.
- The performance of the room containing two kinds of PCMs is studied numerically.
- The smaller energy demand can be obtained by placing PCM panels inside the room.
- Changes of the PCM layer thickness do not affect the choice of the phase change temperature.