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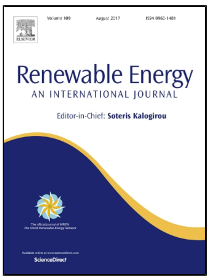

Thermal Performance of a Concrete Column as a Sensible Thermal Energy Storage Medium and a Heater

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Highlights

1. Concrete columns can be used as thermal energy storage medium and heater.
2. Transient thermal performance of concrete column was investigated experimentally.
3. Experimental results are attractive in terms of building heating.
4. Concrete column was also modeled numerically.
5. Numerical results obtained are compatible with experimental results.