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Study on Optimizing Design of Solar Chimney for Natural Ventilation and Smoke Exhaustion

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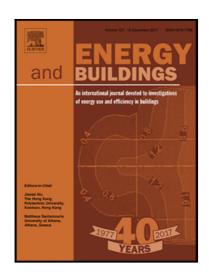
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Highlights

- Solar chimney under natural ventilation and smoke exhaustion were studied;
- Reduced-scale experimental platform was built including both chimney cavity and room;
- Solar chimney potential for natural ventilation and smoke exhaustion was confirmed;
- Optimized designs were obtained for solar chimney under both functions by experiments;
- Empirical model was developed for both natural ventilation and smoke exhaustion.

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