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Title: Experimental and numerical study of the impact of the collector roof inclination on the performance of a solar chimney power plant

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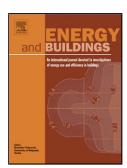
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Highlights

- The collector roof angle is an important parameter for the optimization of the SCPP
- The velocity can be raised by 125 % within the SCPP for a variation of $\Delta\theta$ =2.5°
- Computational results are validated using our experimental data

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