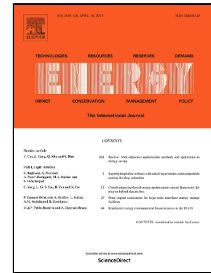


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Low grade waste heat recovery with a novel cascade absorption heat transformer

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**HIGHLIGHTS**

- A concept of a novel cascade absorption heat transformer (NCAHT) is proposed.
- The NCAHT using the low-grade waste heat as heat source to produce 0.5 MPa low-pressure steam.
- The NCAHT with the heat integration achieves GTL up to 80 °C.

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