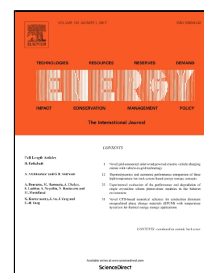


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Simulation research on a variable-lift absorption cycle and its application in waste heat recovery of combined heat and power system

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**Highlights**

1. A variable-lift absorption cycle and an improved cycle based on it are proposed.
2. The lift number of novel cycles can be tuned by simply controlling the valves.
3. The novel cycles work efficiently when return water temperature of PHN varies.
4. The novel cycles show obvious energy saving and emission reduction potential.

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