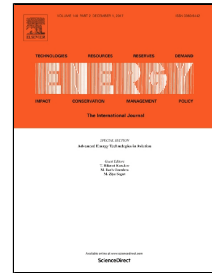


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Modeling and performance comparisons of the grading and single solar collector/ regenerator systems with heat recovery

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Highlights

1. A novel solar grading solar collector/regenerator with heat recovery is proposed.
2. There are critical points in comparing the grading and single regeneration modes.
3. Application scopes of ambient parameters and solution concentration are given.
4. The grading regeneration is beneficial in low solar radiation and high humidity.

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