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A working pair of $\text{CaCl}_2\text{-LiBr-LiNO}_3/\text{H}_2\text{O}$ and its application in a single-stage solar-driven absorption refrigeration cycle

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Highlights

- A working pair is proposed for solar-driven absorption refrigeration.
- The proposed working pair has lower crystallization temperature.
- The required solar collector temperature can be lower than that of LiBr/H₂O.
- The COP was approximately 0.04 higher than that LiBr/H₂O.
- The corrosion rate is low enough for practical applications.

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