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Preparation of SmBCO layer for the surface optimization of GdYBCO film by MOCVD process based on a simple self-heating technology

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Highlights

- A reel-to-reel novel self-heating method in MOCVD system is used.
- The surface morphology of GdYBCO film can be improved through depositing the SmBCO layer.
- The GdYBCO/SmBCO alternating structure can provide a good foundation for the preparation of thicker REBCO superconducting films.

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